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United States
Department of
Agriculture

Soil
Conservation
Service

Casper,
Wyoming



Wyoming Water Supply Outlook

January 1, 1986

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Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

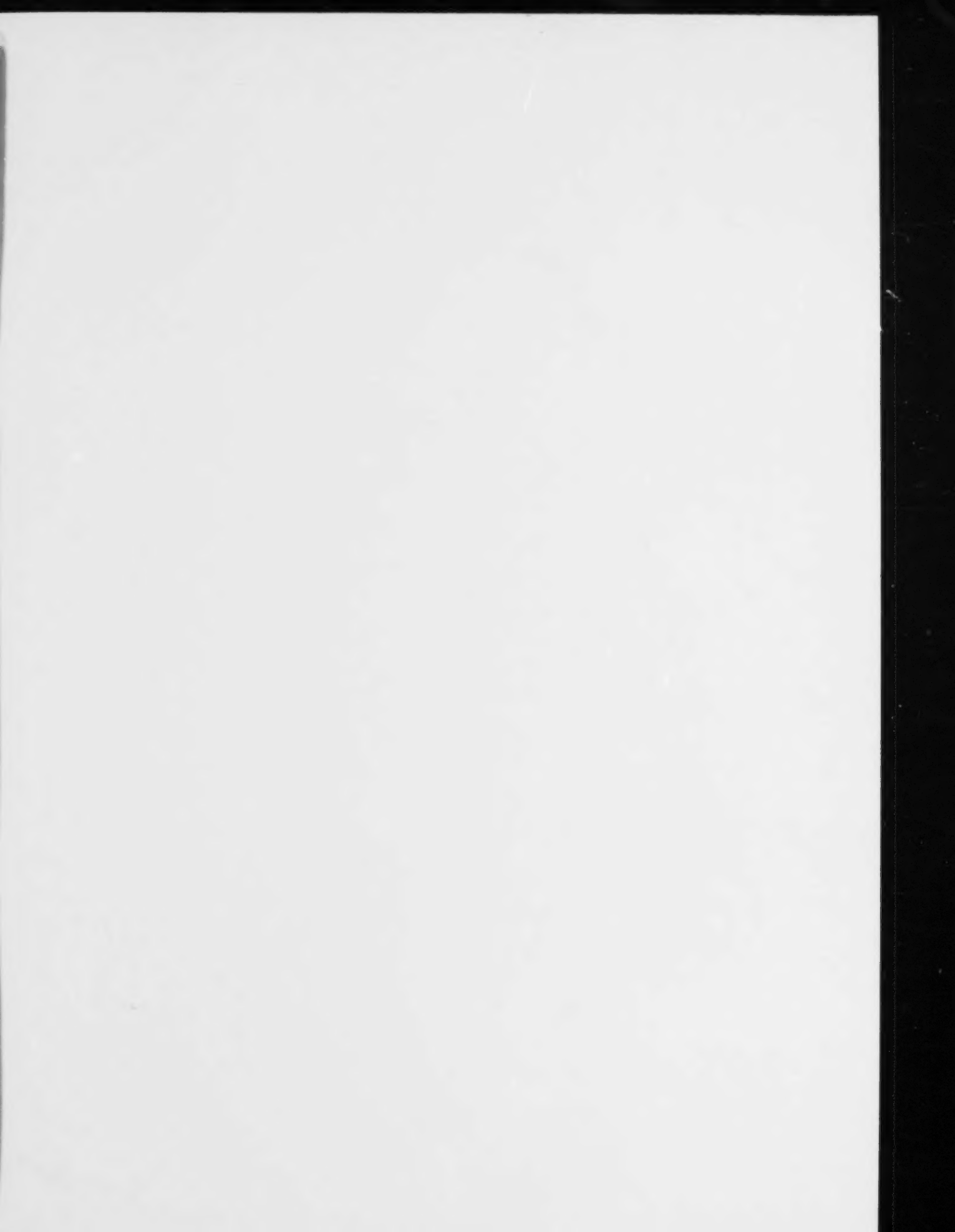
Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3887
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado (New Mexico)	2490 West 26th Ave., Denver, CO 80211
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	50 South Virginia Street, Third Floor, Reno, NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82602

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97208.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.



Wyoming
Water Supply Outlook
and
Federal-State-Private
Cooperative Snow Surveys

Issued by

Wilson Sealing
Chief
Soil Conservation Service
Washington, D.C.

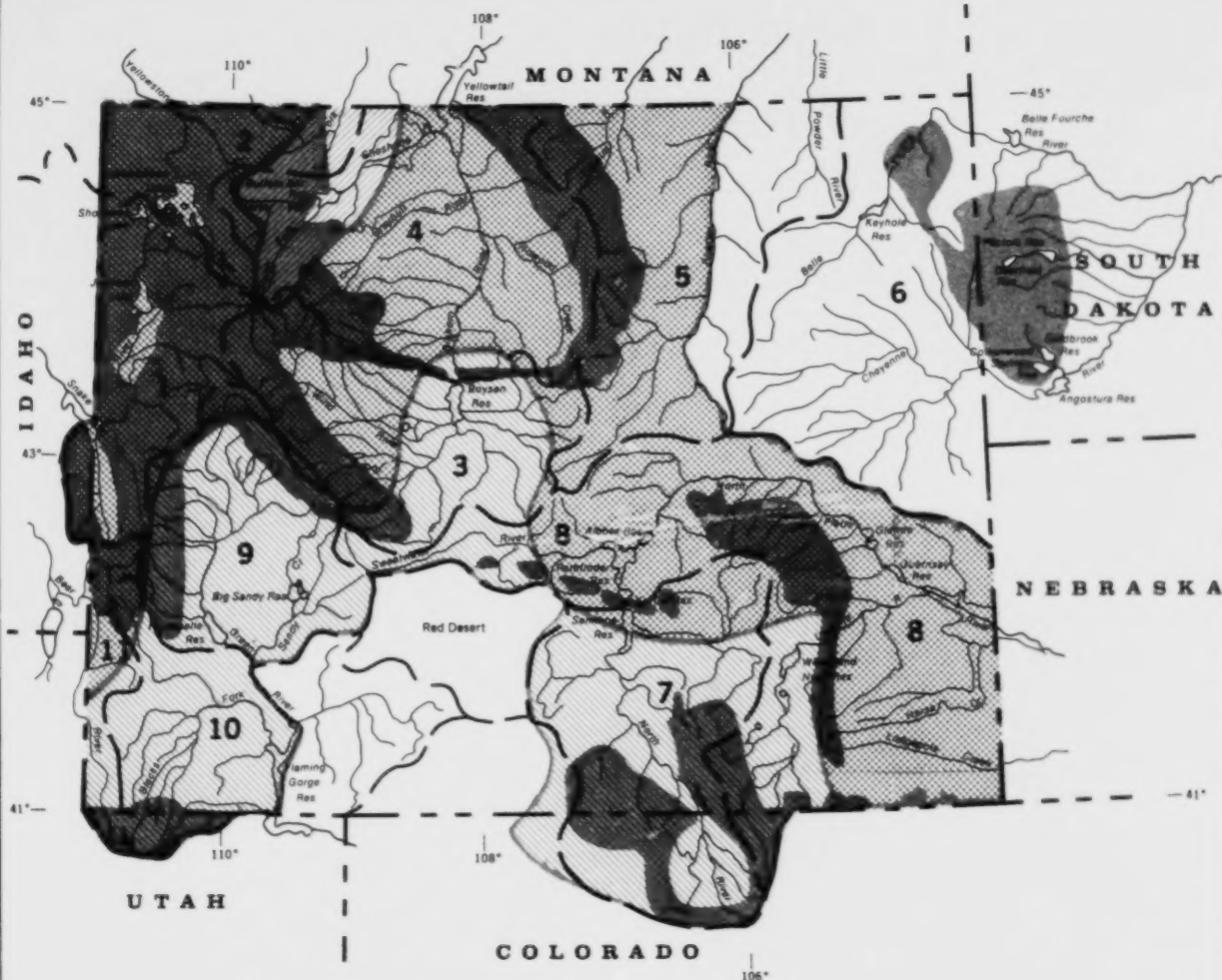
Released by

Frank S. Dickson
State Conservationist
Soil Conservation Service
Casper, Wyoming

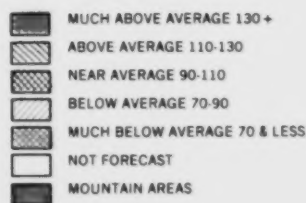
Prepared by

Ted Gilbert
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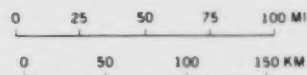
LEGEND
SPRING AND SUMMER PERIOD
(PERCENT OF AVERAGE)



RIVER BASINS

1. SNAKE
2. UPPER YELLOWSTONE AND MADISON
3. WIND
4. BIG HORN
5. POWDER AND TONGUE
6. BELLE FOURCHE AND CHEYENNE
7. UPPER NORTH PLATTE AND LITTLE SNAKE
8. LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE
9. UPPER GREEN
10. LOWER GREEN
11. UPPER BEAR

STREAMFLOW PROSPECTS
WYOMING



SOURCE: Data compiled by SCS
 Field Personnel.

USDA SCS-FORT WORTH, TEXAS 1985

JULY 1985 4-R-39346

FORMERLY 7-L-22029G

GENERAL OUTLOOK

SUMMARY:

Streamflows are expected to be near or slightly above average throughout most of Wyoming this spring and summer. Early winter snowpacks range from over 60% above normal along the southern edge of the state and Green River drainage to near normal for the remainder of the state.

SNOWPACK:

The North Platte is about 62% above normal, with some of the tributaries showing as much as 116% above normal. The Green River is 32% above normal with the upper reaches of the basin being as much as 40% above normal. Henrys Fork drainage has an early season snowpack nearly 79% above normal. The remainder of the state is near normal for snowpack buildup.

PRECIPITATION:

December was generally a dry month throughout Wyoming. The exception to the rule was the northeast part of the state where the amount was 62% above normal. The lowest amounts of precipitation was in the Upper Green River Basin where amounts were 51% below normal. Since the beginning of the 1986 Water Year (October 1, 1985) precipitation over the state has been above normal. It ranges from a high of 75% above normal in the Upper North Platte and Little Snake River Basins to a low of 11% below normal for the Upper Bear River Basin. Early precipitation in October and November has accounted for the normal to above normal snowpack buildup in the state. This made it hard on the hunters, but good for early season skiers.

RESERVOIRS:

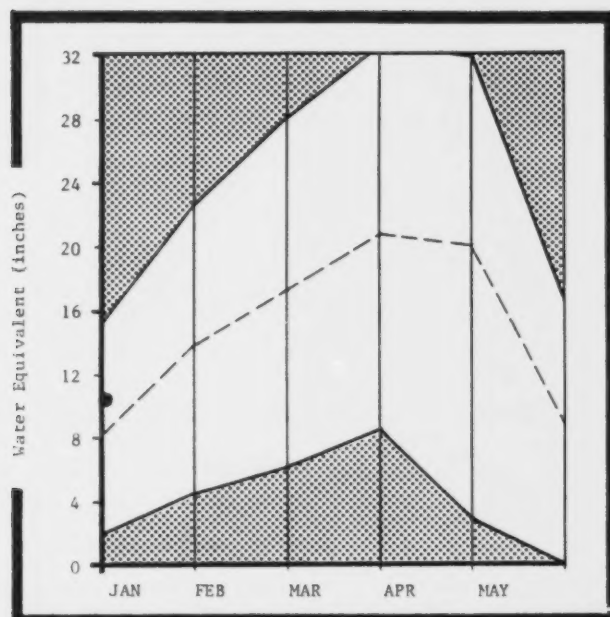
Stored water in the major reservoirs of the state is generally less than at this time last year. Both Jackson Lake and Fontenelle Reservoir are operating under restricted capacities brought on by repairs.

STREAMFLOW:

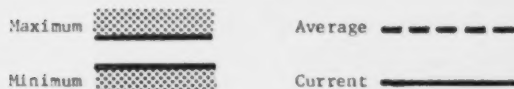
Forecasted streamflow amounts for this summer are close to normal based on the January 1st snow reports. Exceptions are noted in the Green River Basin, Upper North Platte and Laramie River Basins and the inflow to Boysen Reservoir. These exceptions are presently forecasted to be from 10% to 20% above normal. The Shoshone and Lower Clarks Fork drainages are forecasted to be about 11% below normal. These forecasts are dependent upon average snowfall accumulations for the remaining portion of the snow season. The forecasts in this bulletin are a result of coordinated activity between the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to the water user.

SNAKE RIVER BASIN

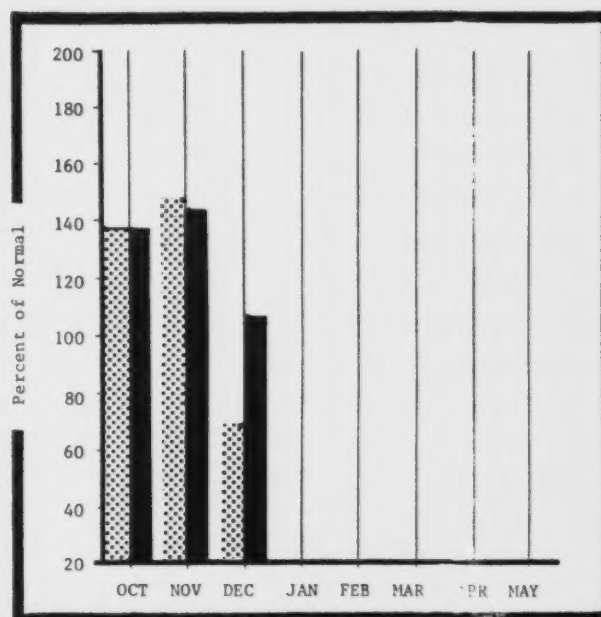
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflows this summer are expected to be near normal based on current snow conditions in the basin. Snowpack accumulation range from a high of over 30% above normal in the Gros Ventre and Hoback River drainages to a low of 6% below normal in the Pacific Creek drainage. Current reservoir storage is below normal.

For more information contact your local Soil Conservation Service office.

SNAKE RIVER BASIN

STREAMFLOW FORECASTS

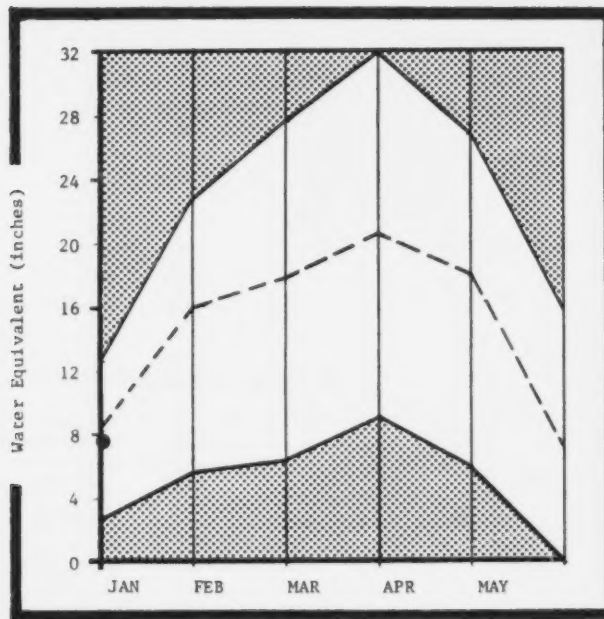
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	HIST PROBABLE (1000AF)	HIST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SHAKE RIVER near Moran *	APR-SEP	880	900	102	122	82				
SHAKE RIVER above Palisades *	APR-SEP	2730	2855	104	123	85				
SHAKE RIVER at Heiser ID *	APR-SEP	4066	4390	107	139	76				
PACIFIC CREEK at Moran	APR-SEP	174	175	100	124	74				
GREYS RIVER above Palisades	APR-SEP	393	440	111	137	87				
SALT RIVER near Etna	APR-SEP	394	450	114	143	86				
PALISADES RESERVOIR Inflow *	APR-SEP	3793	4100	108	140	74				
SHIFT CREEK near Afton	MAY-SEP	46	47	102	128	78				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	STORAGE LAST YEAR	STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
GRASSY LAKE	15.1	12.9	0.0	10.1	SNAKE above JACKSON LAKE	8	73	111
JACKSON LAKE	624.4	281.3	145.4	600.0	PACIFIC CREEK	2	78	94
PALISADES	1200.0	1063.0	913.6	1099.0	GROS VENTRE RIVER	2	140	133
					HOBACK RIVER	3	119	131
					GREYS RIVER	1	109	106
					SALT RIVER	2	88	111
					SNAKE above PALISADES	18	86	111

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER YELLOWSTONE AND MADISON RIVER BASINS

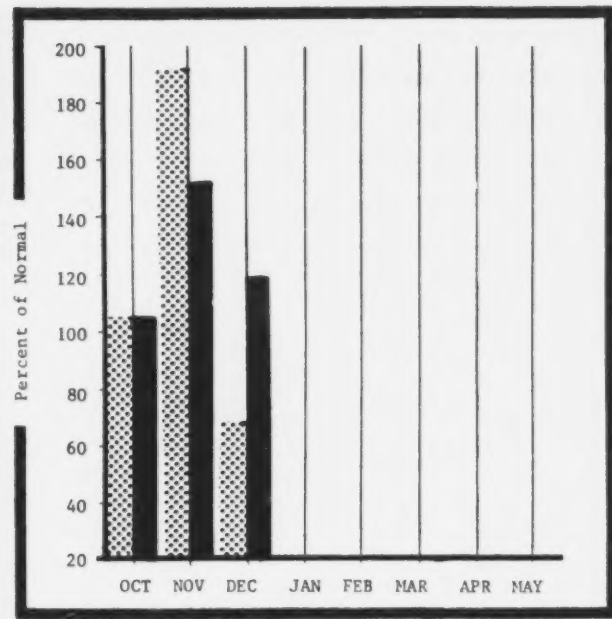
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

With the snowpack currently near normal and slightly below normal the streamflow predictions are similar. Water users in these basins would probably feel comfortable if slightly above average snow accumulation would occur during the rest of the season.

For more information contact your local Soil Conservation Service office.

UPPER YELLOWSTONE and MADISON RIVER BASINS

STREAMFLOW FORECASTS

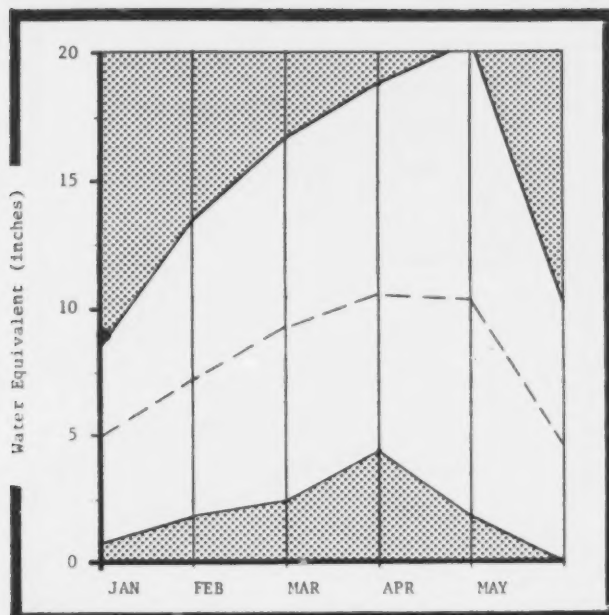
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YELLOWSTONE RIVER at Lake Outlet	APR-SEP	826	800	96	115	78				
YELLOWSTONE RIVER at Corwin Spgs.	APR-SEP	2027	1910	94	114	74				
YELLOWSTONE RIVER near Livingston	APR-SEP	2379	2190	92	112	72				
MADISON RIVER near Graveling, MT *	APR-SEP	496	545	109	129	89				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
ENNIS LAKE	41.0	32.6	29.9	35.3	UPPER MADISON RIVER	12	82	108
HEBGEN LAKE	378.0	311.3	277.3	232.8	CLARKS FORK	14	100	92
					UPPER YELLOWSTONE RIVER	13	82	94

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

WIND RIVER BASIN

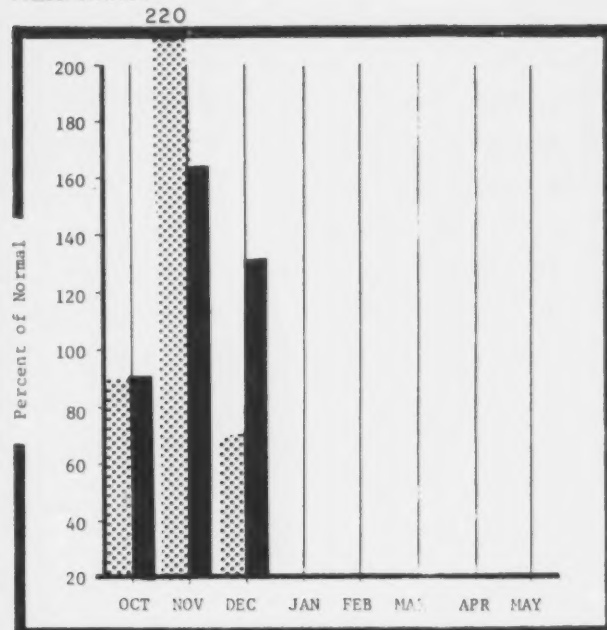
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum Average
 Minimum Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Excellent streamflows are forecast for this basin this summer. Flow of 20% above normal can be expected in the Wind River near Riverton if current snowpack accumulation trends continue. Snowpack in the Popo Agie drainage is currently 104% above normal.

For more information contact your local Soil Conservation Service office.

WIND RIVER BASIN

STREAMFLOW FORECASTS

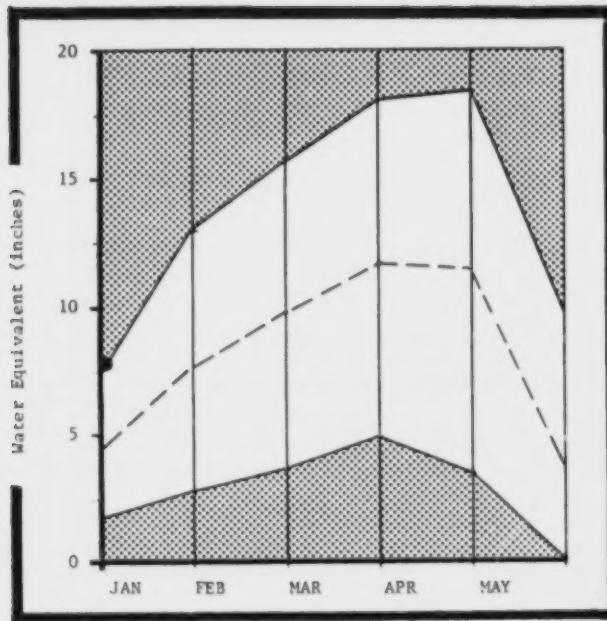
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER near Dubois	APR-SEP	106	110	103	132	75				
WIND RIVER at Riverton *	APR-SEP	678	720	106	136	76				
WIND RIVER below Boysen *	APR-SEP	1163	1370	117	147	87				
BULL LAKE CREEK near Lenore *	APR-SEP	188	200	106	130	79				
LITTLE POPO AGIE RIVER near Lander	APR-SEP	53	58	109	141	75				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
BULL LAKE	151.1	90.4	39.7	98.0	UPPER WIND RIVER	6	114	103
BOYSEN	549.9	389.4	359.7	391.0	WIND above RIVERTON	13	141	121
PILOT BUTTE	31.6	23.7	25.0	12.6	POPO AGIE	1	200	204
					WIND above BOYSEN	14	145	126

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BIGHORN RIVER BASIN

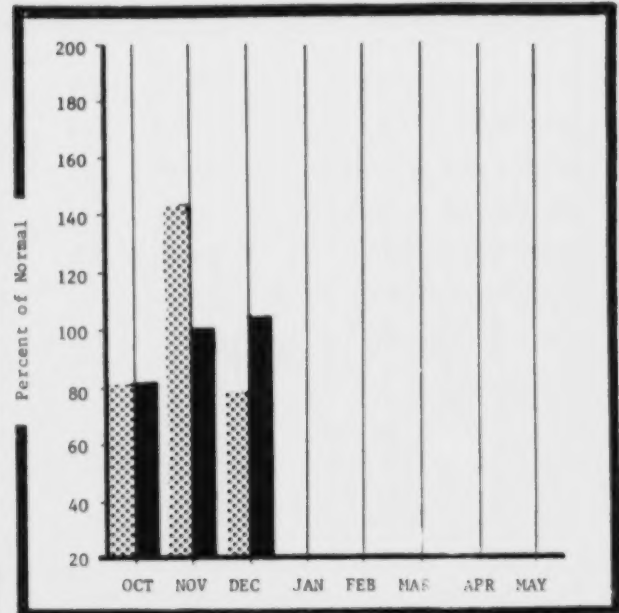
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Although snowpack accumulation in this basin is normal to as much as 25% above normal, tributary streamflow forecasts are discouraging. Both the Clarks Fork and Shoshone Rivers are predicted to be nearly 11% below normal.

For more information contact your local Soil Conservation Service office.

BIGHORN RIVER BASIN

STREAMFLOW FORECASTS

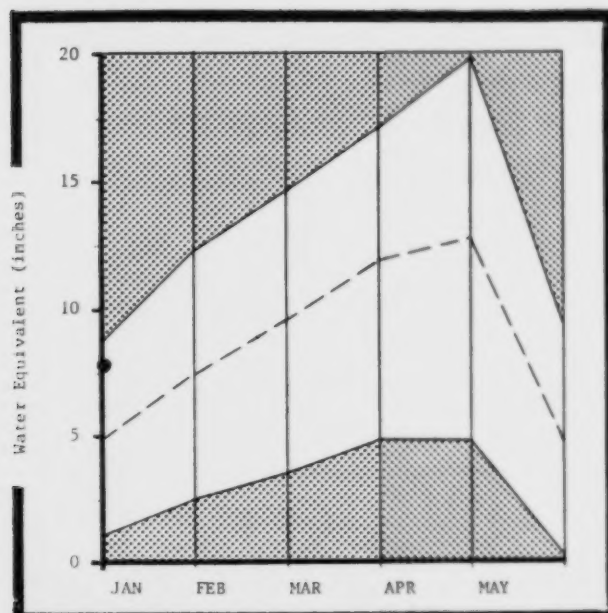
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER below Boysen *	APR-SEP	1163	1370	117	147	87				
SHELL CREEK near Shell	APR-SEP	78	75	96	134	70				
GREYBULL RIVER at Meeteetse	APR-SEP	215	205	95	123	67				
SHOSHONE RIVER b/w Buffalo Bill *	APR-SEP	845	755	89	113	65				
CLARKS FORK near Belfry	APR-SEP	628	560	89	123	55				
SOUTH FORK SHOSHONE near Valley	APR-SEP	278	250	89	118	62				
NOWOOD RIVER near Tensleep	MAR-SEP	71	67	95	122	67				

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS						
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
BOYSEN	549.9	389.4	359.7	391.0	SHOSHONE RIVER	7	96	101
BUFFALO BILL	373.1	268.4	224.0	203.0	NOWOOD RIVER	2	175	125
BIGHORN LAKE	1356.0	954.6	768.8	656.0	GREYBULL RIVER	2	111	122
					SHELL CREEK	6	135	119
					BIGHORN (Boysen-Bighorn)	23	125	115

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

POWDER AND TONGUE RIVER BASINS

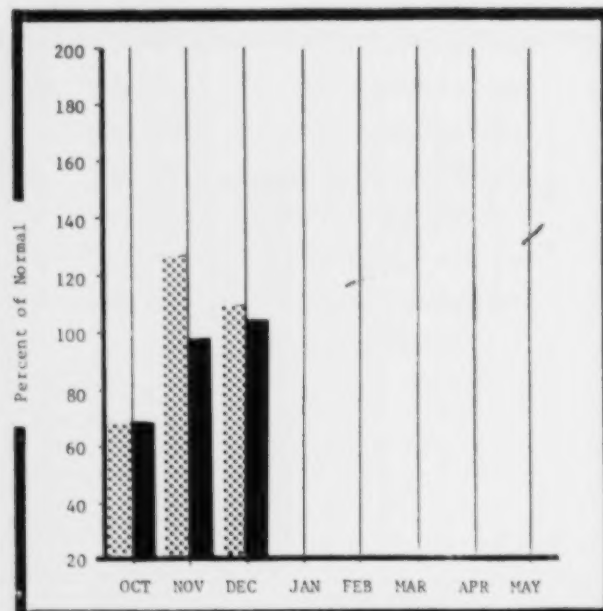
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Streamflow forecasts indicate expected spring and summer flows to be near normal. Snowpack buildup in all the drainages on the east face of the Bighorns is above average with the exception of the Clear Creek drainage above Buffalo. This drainage is 6% below average. The Upper Tongue River drainages are presently 28% above normal.

For more information contact your local Soil Conservation Service office.

POWDER and TONGUE RIVER BASINS

STREAMFLOW FORECASTS

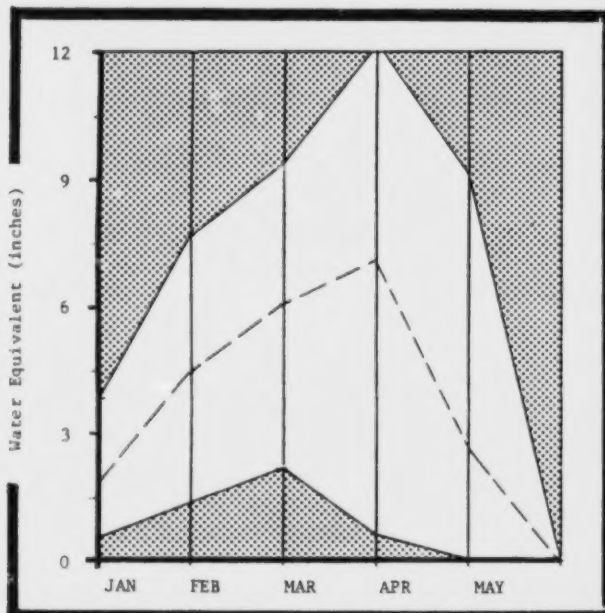
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
TONGUE RIVER near Dayton *	APR-SEP	123	130	105	130	73				
MIDDLE FORK POWDER near Bannock	APR-SEP	21	22	104	130	69				
NORTH FORK POWDER near Hazelton	APR-SEP	10	11	103	141	66				
CLEAR CREEK near Buffalo	APR-SEP	40	40	100	137	62				
POCK CREEK near Buffalo	APR-SEP	25	25	100	137	59				
PIHEY CREEK at Kearny	APR-SEP	54	55	100	130	62				
LITTLE BIGHORN at Hardin, MT	APR-SEP	182	171	93	94	94				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	THIS YEAR	** USEABLE STORAGE LAST YEAR	** AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
TONGUE RIVER	68.0	18.5	13.5	20.6	UPPER TONGUE RIVER	8	144 128
					GOOSE CREEK	3	134 122
					CLEAR CREEK	1	214 94
					CRAZY WOMAN CREEK	1	207 118
					POWDER RIVER	17	149 110

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BELLE FOURCHE AND CHEYENNE RIVER BASINS

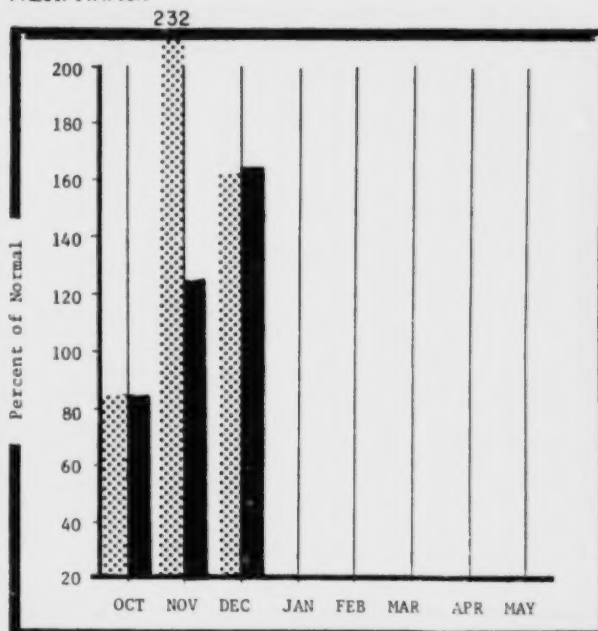
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

No streamflow forecasts were made for these basins. Fall precipitation (Oct - Dec) is 75% above normal indicating an early season snowpack buildup.

For more information contact your local Soil Conservation Service office.

BELLE FOURCHE and CHEYENNE RIVER BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
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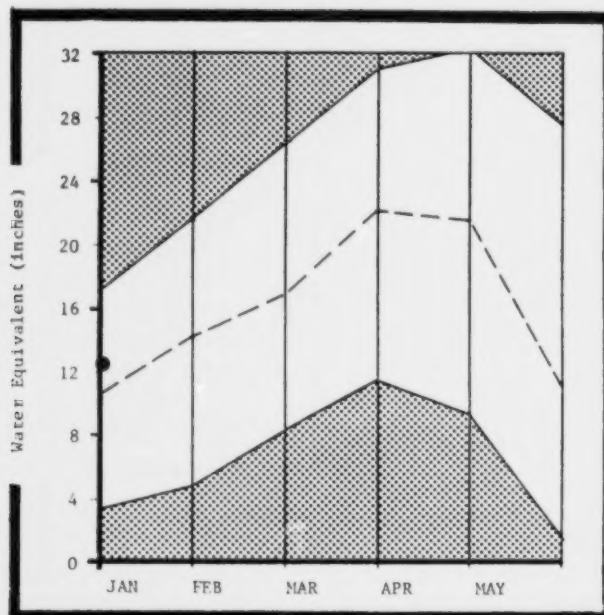
-No forecasts issued in this area-

RESERVOIR STORAGE (1000AF)				WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
ANGOSTURA	86.2	50.4	65.9	---	BELLE FOURCHE	0	0 0
BELLE FOURCHE	195.2	115.0	49.8	101.0			
DEERFIELD	15.1	14.5	13.9	---			
KEYHOLE	190.4	71.4	47.8	116.0			
PACTOLA	55.0	54.1	43.1	---			
SHADEHILL	81.5	53.0	63.4	---			

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS

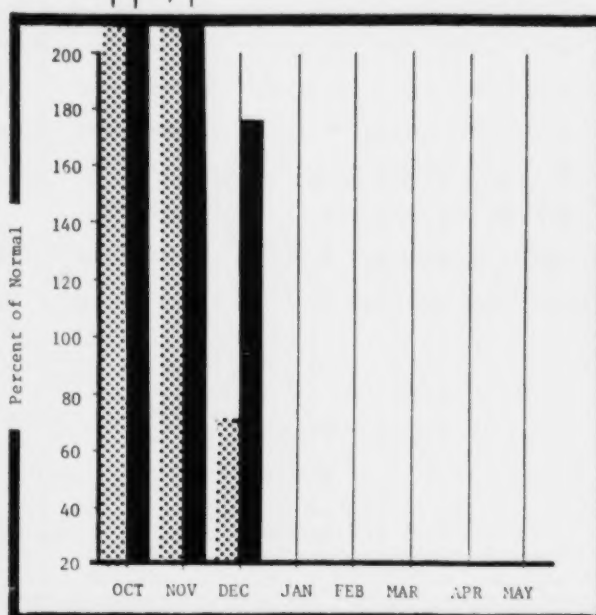
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Again, early season above normal snowpack buildup for the fourth season in a row could mean above normal streamflows can be expected in these drainages. Snowpack in the Brush Creek drainage is 116% above average, while in the Savery Creek drainage it is 46% above average. Streamflow forecasts indicate flow to be about 14% above normal.

For more information contact your local Soil Conservation Service office.

UPPER NORTH PLATTE and LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

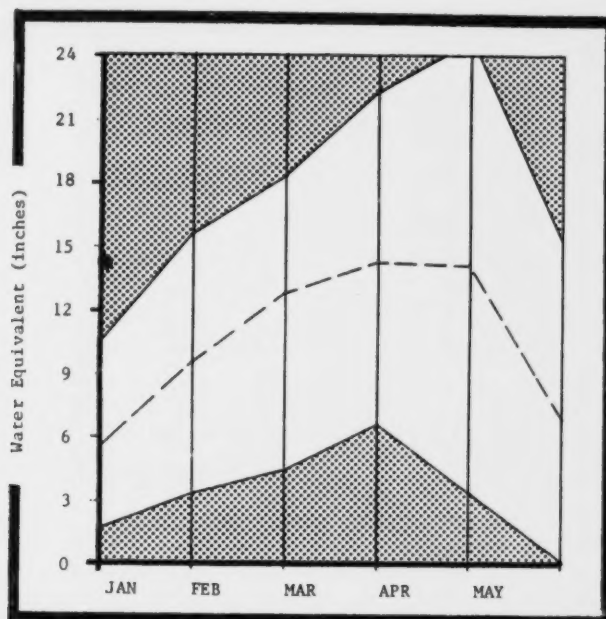
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Northgate	APR-SEP	262	305	116	144	88				
NORTH PLATTE RIVER near Sinclair	APR-SEP	710	815	114	145	72				
ENCAMPMENT RIVER near Encampment	APR-SEP	156	178	114	142	85				
ROCK CREEK near Arlington	APR-SEP	57	65	113	142	85				
LITTLE SNAKE RIVER near Dixon *	APR-SEP	320	416	130	144	95				
LITTLE SNAKE near Slater, CO *	APR-SEP	158	205	129	164	95				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	USEABLE STORAGE LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
SEMINOE	1017.3	867.8	698.5	536.0	UPPER NORTH PLATTE	7	123	153
					ENCAMPMENT RIVER	2	119	126
					BRUSH CREEK	1	168	216
					MEDICINE BOW & ROCK CREEK	0	0	0
					N. PLATTE above SEMINOE	8	127	155
					UPPER LITTLE SNAKE RIVER	0	0	0
					SAVERY CREEK	2	127	146

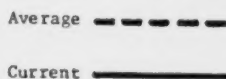
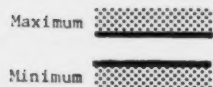
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE RIVER BASINS

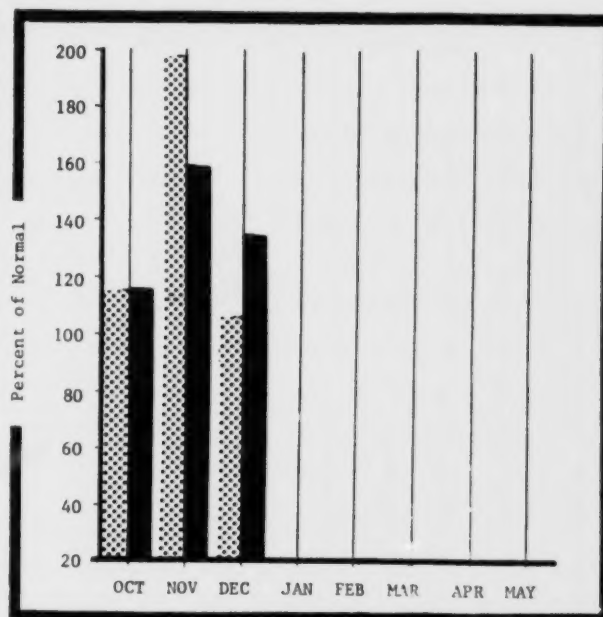
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Even though early season snowpack buildup is much above normal, streamflow forecasts show expected flows to be near normal. Tributary flows between Pathfinder Reservoir and Glendo Reservoir are expected to be 6% below normal. Flows in the Laramie River is expected to be slightly above normal. Snowpack in the Little Laramie drainage is 115% above normal. Other snowpacks in these drainages run between 47% and 102% above normal. Reservoir storage again this year is above normal for January 1st.

For more information contact your local Soil Conservation Service office.

LOWER NORTH PLATTE, SWEETWATER, and LARAMIE RIVER BASINS

STREAMFLOW FORECASTS

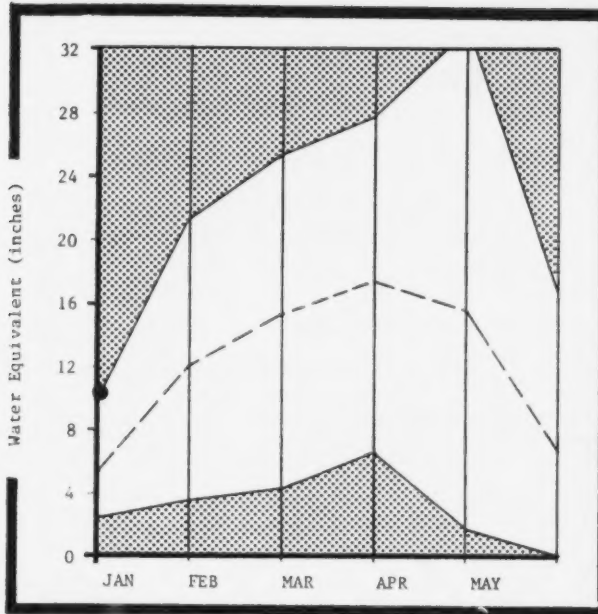
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Sinclair	APR-SEP	710	815	114	145	72				
SWEETWATER RIVER near Alcova	APR-SEP	73	88	119	119	119				
DEER CREEK at Glenrock	APR-SEP	51	49	95	162	29				
LAPRELE CREEK above Reservoir	APR-SEP	33	32	94	160	29				
LARAMIE RIVER near Woods *	APR-SEP	132	145	109	141	78				
LITTLE LARAMIE RIVER near Filmore	APR-SEP	65	75	115	147	82				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	THIS YEAR	USEABLE STORAGE LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
ALCOVA	184.4	---	---	---	SWEETWATER	2	183 147
GLENDO	783.7	74.3	314.4	---	DEER & LAPRELE CREEKS	1	122 197
GUERNSEY	45.2	0.0	6.1	5.2	N. PLATTE above LARAMIE	6	138 168
PATHFINDER	1015.5	849.9	672.7	488.0	LITTLE LARAMIE RIVER	1	200 215
SEMINOE	1017.3	847.8	698.5	536.0	UPPER LARAMIE RIVER	2	194 180
WHEATLAND #2	98.9	72.0	64.0	---	LARAMIE RIVER above MOUTH	3	188 202
NORTH PLATTE PROJ	1016.1	---	546.2	---	NORTH PLATTE in WYOMING	20	139 162
KENDRICK PROJECT	1201.6	---	1112.8	---			
GLENDO PROJECT USERS	454.3	---	---	---			

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1941-80 period.

UPPER GREEN RIVER BASIN

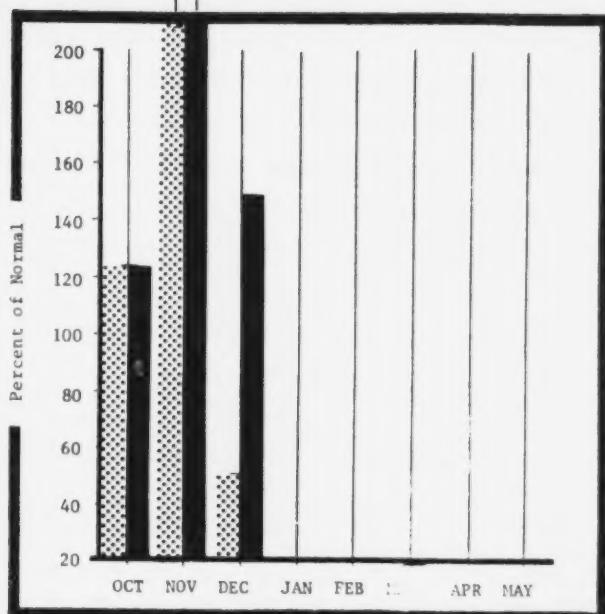
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Above normal streamflow is forecast for the Upper Green River Basin. Snowpack buildup is between 19% and 52% above normal. Big Sandy River drainage can expect flows as much as 18% above average.

For more information contact your local Soil Conservation Service office.

UPPER GREEN RIVER BASIN

STREAMFLOW FORECASTS

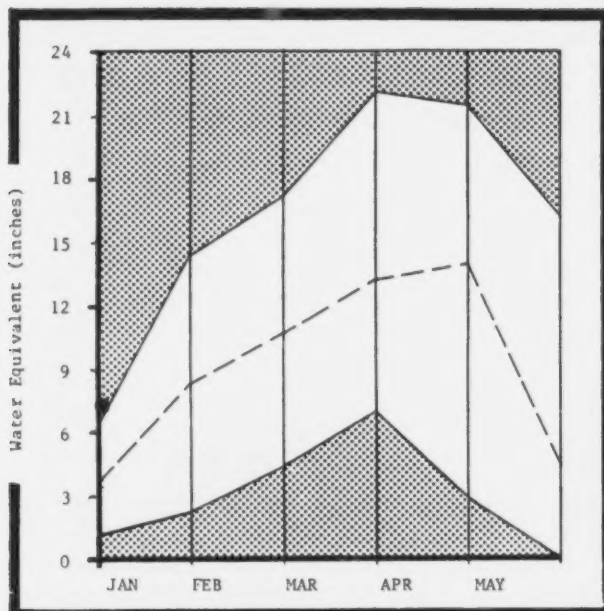
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GREEN RIVER near Warren Bridge	APR-SEP	326	365	111	131	92				
FONTENELLE RESERVOIR Inflow	APR-JUL	869	1100	126	156	90				
LaBARGE CREEK at LaBarge Meadows	APR-SEP	8	10	112	134	89				
BIG SANDY RIVER near Big Sandy	APR-SEP	61	72	118	145	90	1000			

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	USEABLE STORAGE LAST YEAR	*** STORAGE AVE. ***	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
BIG SANDY	38.3	---	18.0	---	GREEN above WARREN BRIDGE	3	154	149
EDEN	11.8	---	---	---	UPPER GREEN (West Side)	5	117	119
FLAMING GORGE	3749.0	3373.0	3117.0	---	NEWFORK LAKE	1	150	142
FONTENELLE	344.8	35.4	172.3	---	BIG SANDY/EDEN VALLEY	1	143	152
					GREEN above FONTENELLE	7	144	137

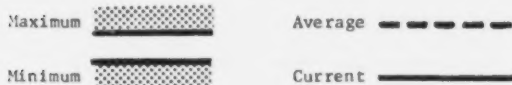
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER GREEN RIVER BASIN

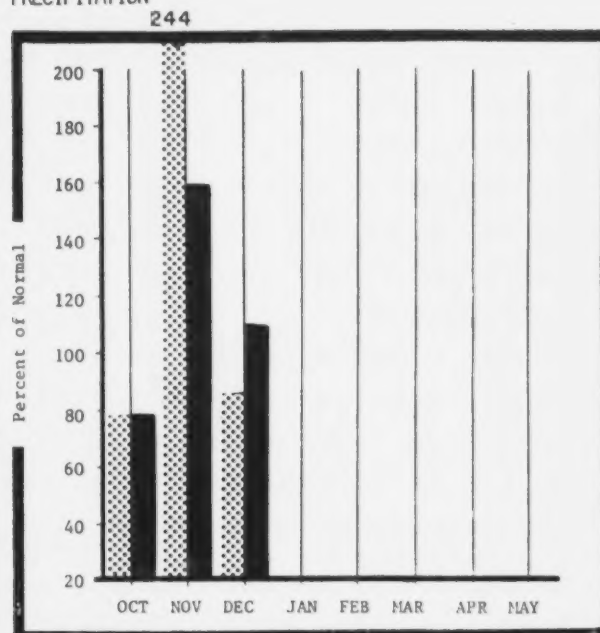
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpack accumulation is above normal, particularly along the southern border of Wyoming in the Uintah Mountains. Henrys Fork drainage is 79% above average. Streamflow forecasts reflect the snowpack accumulation in that above normal flows can be expected.

For more information contact your local Soil Conservation Service office.

LOWER GREEN RIVER BASIN

STREAMFLOW FORECASTS

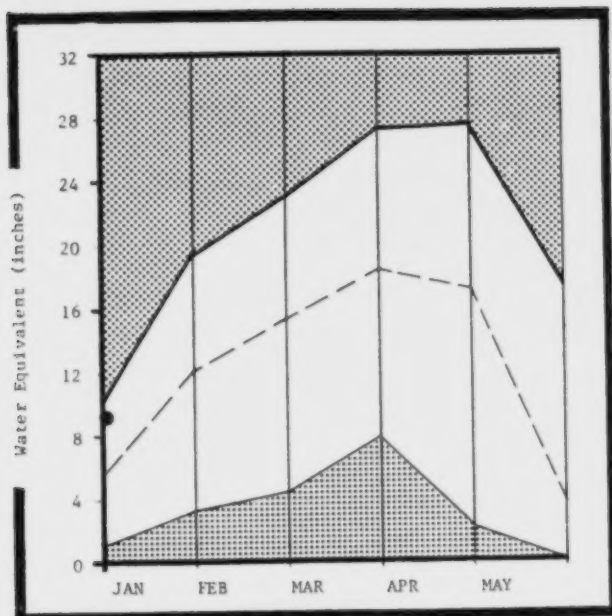
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FONTENELLE RESERVOIR Inflow	APR-JUL	869	1100	126	156	90				
HAMS FORK near Frontier	APR-SEP	71	85	119	151	88				
GREEN RIVER near Green River, WY *	APR-SEP	1079	1350	125	150	100				
BLACKS FORK near Milburn, UT	APR-JUL	89	113	125	200	51				
HENRYS FORK near Minila, UT	APR-SEP	48	76	158	204	112				
FLAMING GORGE Inflow *	APR-JUL	1248	1560	125	160	94				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	USEABLE STORAGE LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
FONTENELLE	344.8	35.4	172.3	---	HAMS FORK RIVER	3	109	113
FLAMING GORGE	3749.0	3373.0	3117.0	---	BLACKS FORK	4	102	125
VIVA NAUGHTON RES	42.4	35.8	---	---	HENRYS FORK	1	113	179
					GREEN above FLAMING GORGE	10	130	130

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER BEAR RIVER BASIN

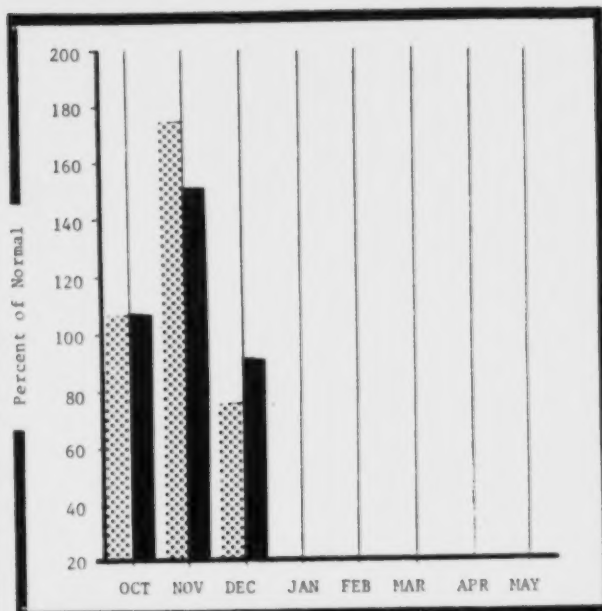
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Streamflow forecasts indicate that water users can expect near normal flows this spring and summer. Snowpack accumulation is above normal by as much as 36%.

For more information contact your local Soil Conservation Service office.

UPPER BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SMITHS FORK near Border	APR-SEP	119	122	102	130	74				
THOMAS FORK near State line	APR-SEP	35	36	102	131	74				
BEAR RIVER at Utah-Wyoming line	APR-JUL	110	127	115	145	82				
BEAR RIVER near Hoodruff, UT	APR-JUL	139	153	110	144	53				
BEAR RIVER near Randolph, UT	APR-JUL	110	143	130	197	62				

RESERVOIR STORAGE (1000AF)				WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	THIS YEAR	USEABLE STORAGE LAST YEAR	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
			AVE.			
HOODRUFF NARROWS	NO REPORT			UPPER BEAR RIVER	3	95 136
				SMITHS & THOMAS FORK'S	3	106 125
				BEAR RIVER abv IDAHO line	9	105 120

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.



THE FOLLOWING ORGANIZATIONS COOPERATE
WITH THE SOIL CONSERVATION SERVICE
IN SNOW SURVEY WORK

State

Conservation Districts of Wyoming
State Engineer of Wyoming
Department of Water Resources of Nebraska
Irrigation Districts of Wyoming
University of Wyoming
Department of Atmospheric Resources
Department of Agricultural Engineering

Federal

U.S. Department of Agriculture
Soil Conservation Service
Forest Service

U.S. Department of Commerce
NOAA, National Weather Service

U.S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service
Bureau of Indian Affairs
Bureau of Land Management

Private

Utah Power and Light Company
Eden Valley Irrigation District

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

986/2



United States
Department of
Agriculture

Soil
Conservation
Service

Casper,
Wyoming



Wyoming Water Supply Outlook

February 1, 1986

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Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado (New Mexico)	2490 West 26th Ave., Denver, CO 80211
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	50 South Virginia Street, Third Floor, Reno, NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82602

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

Wyoming

Water Supply Outlook and

Federal-State-Private Cooperative Snow Surveys

Issued by

Wilson Scaling
Chief
Soil Conservation Service
Washington, D.C.

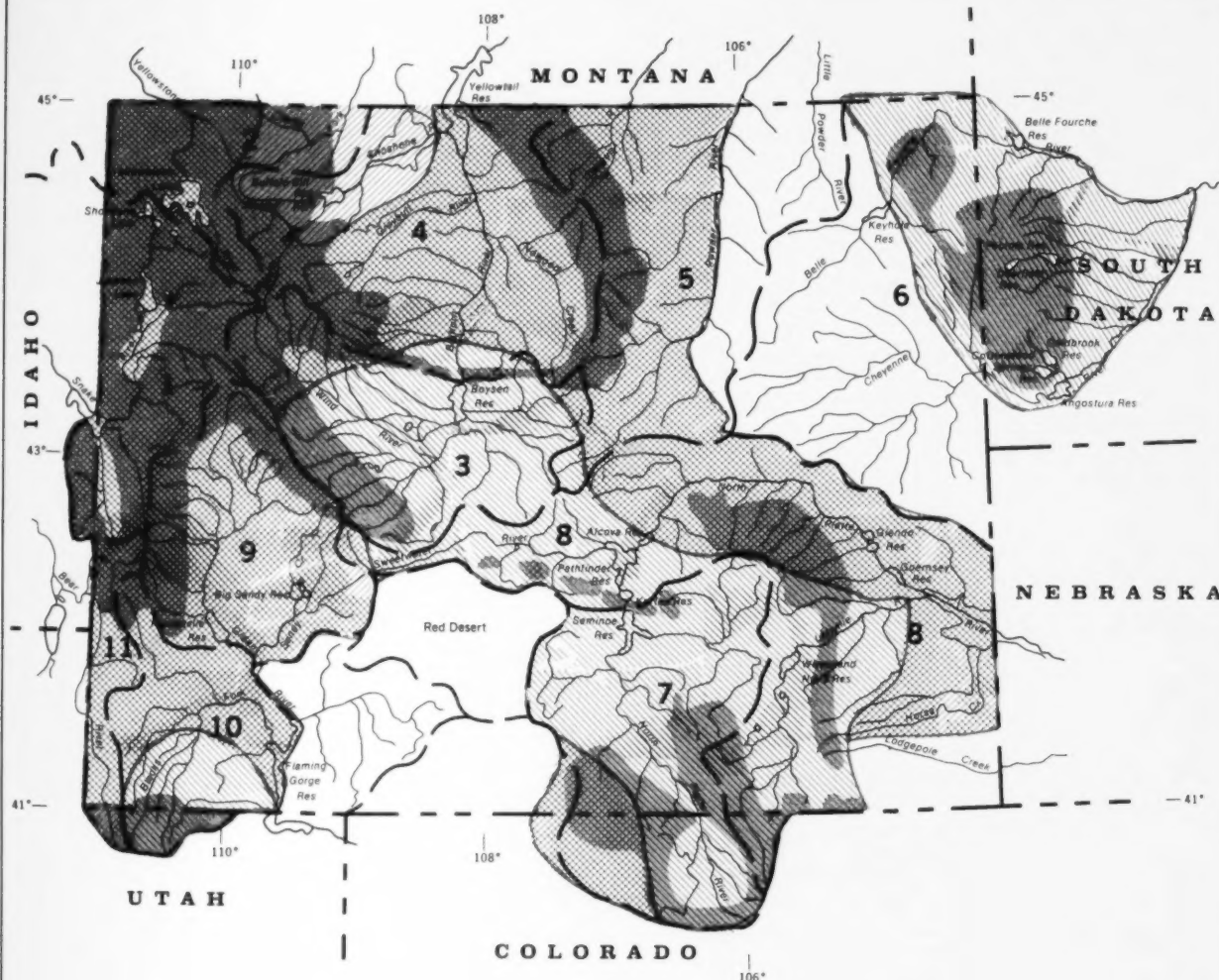
Released by

Frank S. Dickson
State Conservationist
Soil Conservation Service
Casper, Wyoming

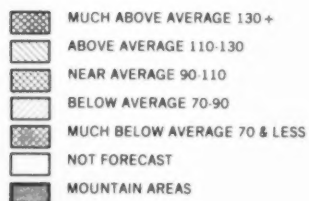
Prepared by

Ted Gilbert
Acting Water Supply Specialist
Soil Conservation Service
Room 3124, 100 East B Street
Casper, Wyoming 82601

Programs and assistance of the United States Department of Agriculture are available without regard to race, creed, color, sex, age, or national origin.



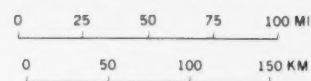
LEGEND
SPRING AND SUMMER PERIOD
(PERCENT OF AVERAGE)



RIVER BASINS

1. SNAKE
2. UPPER YELLOWSTONE AND MADISON
3. WIND
4. BIG HORN
5. POWDER AND TONGUE
6. BELLE FOURCHE AND CHEYENNE
7. UPPER NORTH PLATTE AND LITTLE SNAKE
8. LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE
9. UPPER GREEN
10. LOWER GREEN
11. UPPER BEAR

STREAMFLOW PROSPECTS
WYOMING



SOURCE: Data compiled by SCS
 Field Personnel.

JULY 1985 4-R-39346

GENERAL OUTLOOK

SUMMARY:

Despite a dry January, stream flow forecasts remain encouraging. Most of the state can expect near normal, or slightly above normal runoff this spring and summer. Snowpack buildup as compared to normal took a nosedive during the month. However, due to early season buildup much of the state remains near or slightly above normal. The exception is the Black Hills where snowpack accumulation is 74% above normal.

SNOWPACK:

Snowpack accumulation as compared to normal took a nosedive during the month of January. Hardest hit was the Green River Basin where the snowpack comparison dropped from much above average to nearly normal. The only parts of the state that remain much above average as far as snowpack accumulation is concerned is the Popo Agie drainage, the upper Laramie River and Brush Creek in the Platte River drainage and the Black Hills in northeast Wyoming. These areas ranged from 74% above average in the Black Hills to 30% above average in the Laramie River drainage. Much of the Platte River drainage and lower Wind River drainage remained above average (10 to 30 percent). The rest of the state shows snowpack accumulation to be near normal.

PRECIPITATION:

January 1986 was a very dry month over most of the state. Many areas in the Upper North Platte River, Wind River, Green River, and Bear River drainages received about one-tenth of an inch or less for the entire month...which is more than 90% below normal. However, mountainous terrain in the west received two and one-half to three inches of water equivalent, which was about normal. Most other areas received less than one inch of water equivalent which was about one-fourth to three-fourths of monthly normal. Seasonal comparisons were about one-fourth to one-half above normal along most eastern areas...elsewhere about normal due to October through December 1985 precipitation.

RESERVOIRS:

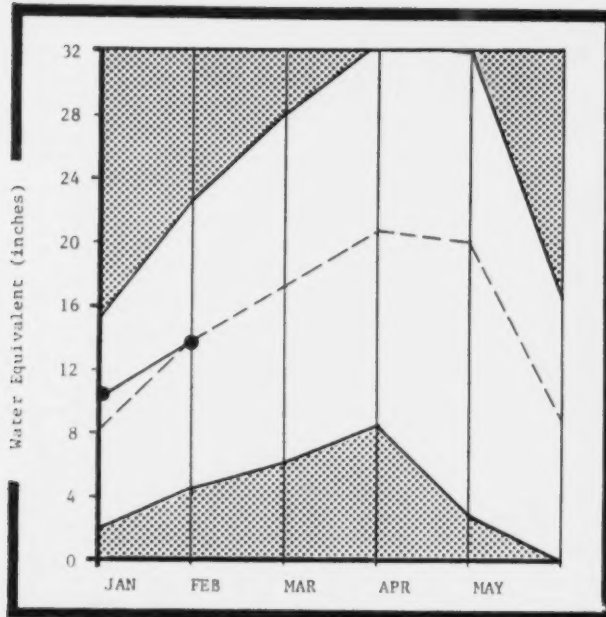
Stored water in the major reservoirs in the state continues to be generally less than at this time last year. This storage is about 30 percent less than last year. However, when compared to long term averages, storage is about 20 percent above average.

STREAMFLOW:

Streamflow forecasts for the summer months remain encouraging despite a dry month of January. The Black Hills, Upper Platte, Laramie River, Lower Wind River, Blacks Fork and Henrys Fork drainages continue to be forecast at 10 to 30 percent above average. The remainder of the state can expect near normal stream flows with the exception of the Shoshone and Lower Clarks Fork drainages. These two drainages remain as forecast in January at about 10% below normal. These forecasts are dependent upon average snowfall accumulations for the remaining portion of the snow season. The forecasts in this bulletin are a result of coordinated activity between the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to the water user.

SNAKE RIVER BASIN

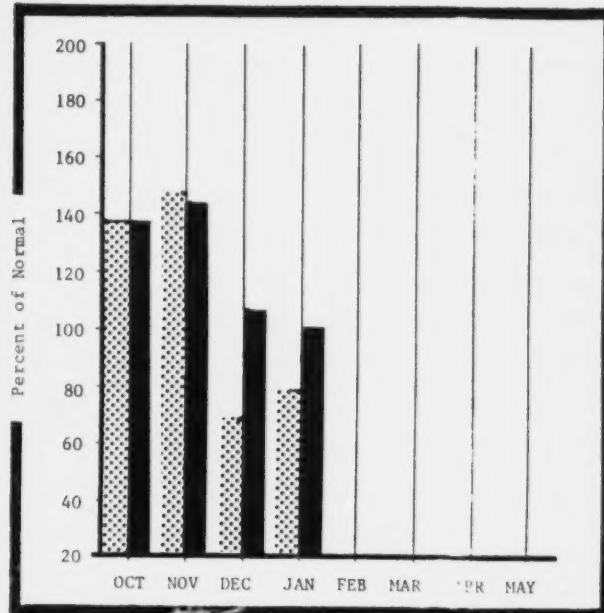
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Near normal streamflows can be expected for the drainages in this basin. Snowpack accumulation is also near normal. The Gros Ventre drainage is about 27% above normal. Snow depths are 16% more than at this time last year. Precipitation during the month was only 79% of normal. Year to date precipitation is near normal. Current reservoir capacity in the basin is only at 58%, and is 30% below normal.

For more information contact your local Soil Conservation Service office.

SNAKE RIVER BASIN

STREAMFLOW FORECASTS

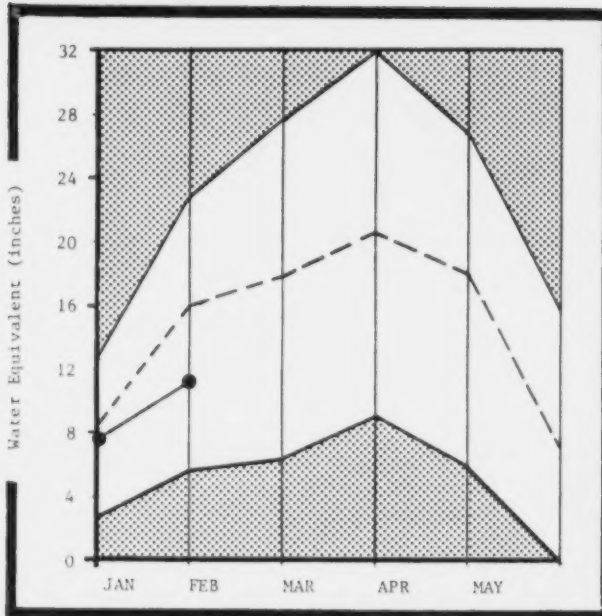
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SNAKE RIVER near Moran *	APR-SEP	880.0	850.0	96	114	80				
SNAKE RIVER above Palisades *	APR-SEP	2730.0	2500.0	94	112	77				
SNAKE RIVER at Heise ID *	APR-SEP	4066.0	3900.0	95	124	68				
PACIFIC CREEK at Moran	APR-SEP	174.0	170.0	97	122	74				
GREYS RIVER above Palisades	APR-SEP	393.0	385.0	97	122	74				
SALT RIVER near Etna	APR-SEP	394.0	365.0	92	135	59				
PALISADES RESERVOIR Inflow *	APR-SEP	3793.0	3425.0	95	117	73				
SWIFT CREEK near Afton	MAY-SEP	46.0	42.5	92	117	67				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
GRASSY LAKE	15.1	12.9	13.0	10.4	SNAKE above JACKSON LAKE	8	98	93
JACKSON LAKE	624.4	149.4	275.4	612.5	PACIFIC CREEK	2	135	114
PALISADES	1200.0	912.9	929.3	907.8	GROS VENTRE RIVER	4	134	106
					HOBACK RIVER	7	125	102
					GREYS RIVER	4	142	100
					SALT RIVER	5	105	93
					SNAKE above PALISADES	30	115	97

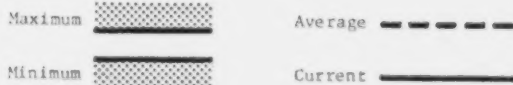
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER YELLOWSTONE AND MADISON RIVER BASINS

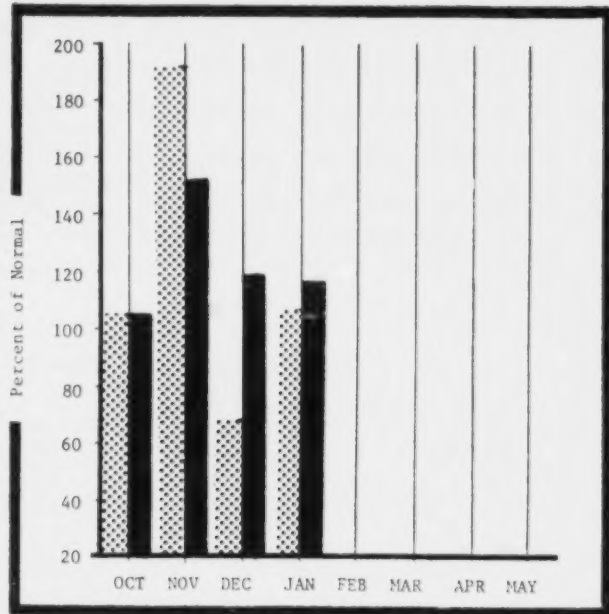
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

This basin is one of only two in the state that showed above average precipitation during the month. For the month it was 4% above average and for the year it is 17% above average. Streamflow forecasts predict near normal flows for this next season. Snowpack accumulation is also near normal. Reservoir capacity is 73% and is about 14% above average.

For more information contact your local Soil Conservation Service office.

UPPER YELLOWSTONE and MADISON RIVER BASINS

STREAMFLOW FORECASTS

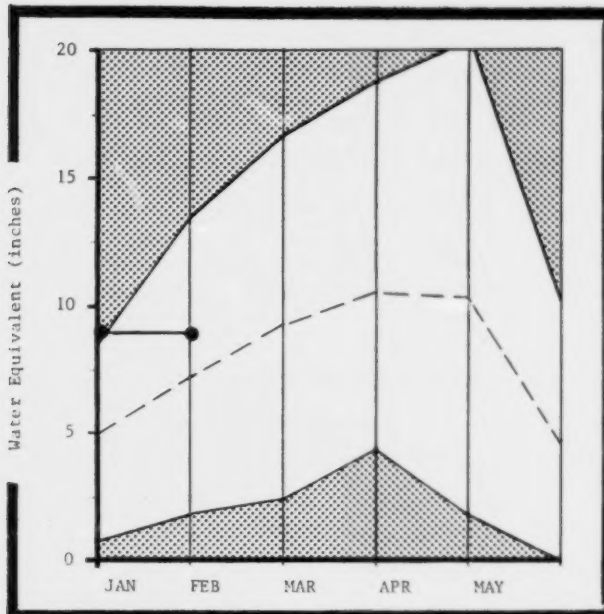
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
YELLOWSTONE RIVER at Lake Outlet	APR-SEP	826.0	725.0	87	105	71				
YELLOWSTONE RIVER at Corwin Spgs.	APR-SEP	2027.0	1640.0	80	98	64				
YELLOWSTONE RIVER near Livingston	APR-SEP	2379.0	1852.0	77	95	61				
MADISON RIVER near Grayling, MT *	APR-SEP	496.0	498.0	100	117	83				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
EMMIS LAKE	41.0	30.1	31.0	35.5	UPPER MADISON RIVER	10	102	93
HEGGEN LAKE	378.0	276.2	310.2	232.6	CLARKS FORK	13	123	89
					UPPER YELLOWSTONE RIVER	15	108	90

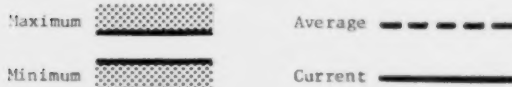
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

WIND RIVER BASIN

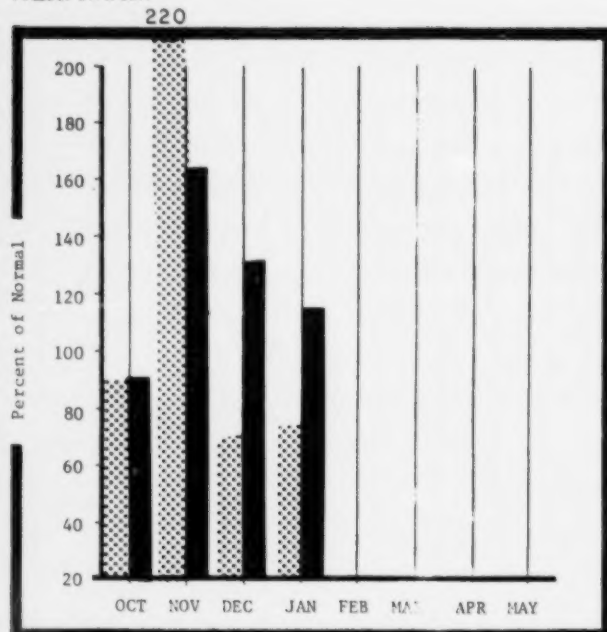
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Prospects for excellent streamflows continue to be forecast for this basin. The upper part of the basin is near normal, while the lower part of the basin is predicted to be 12% above normal. Snowpack accumulation follows a similar pattern. The Popo Agie drainage has a snowpack build up that is 38% above normal. Precipitation for the month was only 73% of average, but total precipitation for the year is 60% above average. Current reservoir capacity is nearly 91% which is 46% above average.

For more information contact your local Soil Conservation Service office.

WIND RIVER BASIN

STREAMFLOW FORECASTS

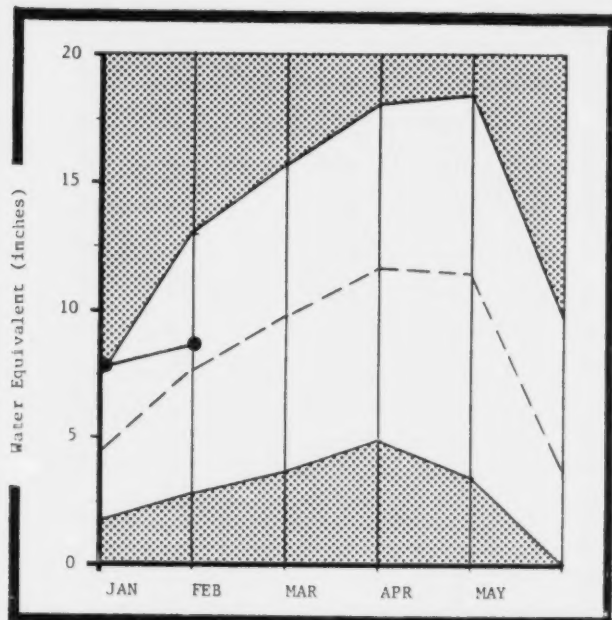
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	HIST PROBABLE (1000AF)	HIST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER near Dubois	APR-SEP	106.0	110.0	103	130	77				
WIND RIVER at Riverton *	APR-SEP	678.0	765.0	112	141	85				
WIND RIVER below Boyesen *	APR-SEP	1163.0	1325.0	113	142	86				
MULL LAKE CREEK near Lenore *	APR-SEP	188.0	215.0	114	134	93				
LITTLE POPO AGIE RIVER near Lander	APR-SEP	53.0	60.0	113	143	83				

I RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
MULL LAKE	151.1	42.1	89.7	93.3	UPPER WIND RIVER	11	139	93
BOYSEN	549.9	597.4	351.8	348.0	WIND above RIVERTON	19	161	107
PILOT BUTTE	31.6	25.0	23.7	14.7	POPO AGIE	4	186	138
					WIND above BOYSEN	23	166	112

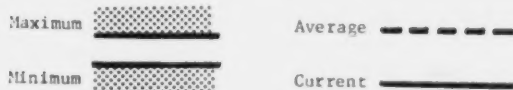
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BIGHORN RIVER BASIN

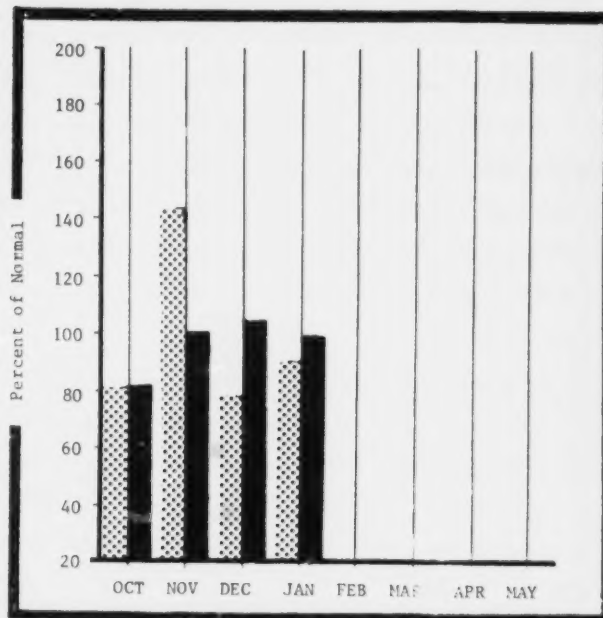
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow forecasts predict near normal streamflows for much of the basin. The exception is the Clarks Fork and Shoshone Rivers. Streamflows for these two are predicted to be about 12% below normal. Snowpack accumulation continues to be near normal with the Greybull River being about 16% above normal. Precipitation for the month and for the year are slightly below normal. Reservoir storage stands at nearly 70% of capacity which is about 40% above average.

For more information contact your local Soil Conservation Service office.

BIGHORN RIVER BASIN

STREAMFLOW FORECASTS

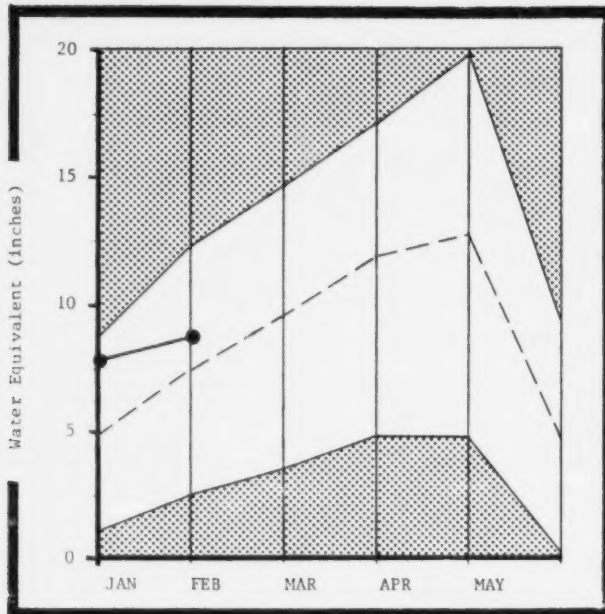
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER below Boysen *	APR-SEP	1163.0	1325.0	113	142	86				
SHELL CREEK near Shell	APR-SEP	78.0	70.0	89	122	68				
GREYBULL RIVER at Meeteetse	APR-SEP	215.0	200.0	93	119	67				
SHOSHONE RIVER blw Buffalo Bill *	APR-SEP	845.0	745.0	88	110	66				
CLARK'S FORK near Belfry	APR-SEP	628.0	534.0	85	117	53				
SOUTH FORK SHOSHONE near Valley	APR-SEP	278.0	255.0	91	118	66				
NOWOOD RIVER near Tensleep	MAR-SEP	71.0	67.5	95	121	69				

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS						
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.0	THIS YEAR AS % OF LAST YR. AVERAGE	
BOYSEN	549.9	597.4	351.8	348.0	SHOSHONE RIVER	10	119	98
BUFFALO BILL	373.1	271.4	255.8	188.6	NOWOOD RIVER	5	134	102
BIGHORN LAKE	1356.0	731.6	907.4	609.2	GREYBULL RIVER	3	137	116
					SHELL CREEK	7	133	104
					BIGHORN (Boysen-Bighorn)	34	132	103

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

POWDER AND TONGUE RIVER BASINS

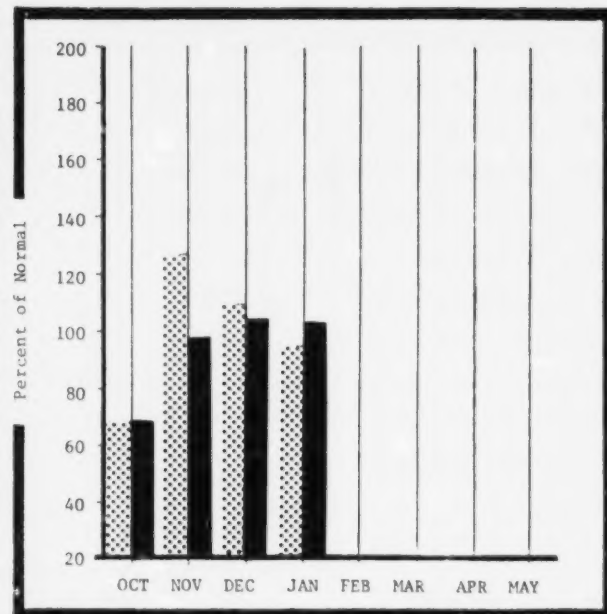
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpack accumulation continues to be near average throughout the basin. Streamflow forecasts also are near average. January precipitation was about 7% below average, but for the year, precipitation is near normal.

For more information contact your local Soil Conservation Service office.

POWDER and TONGUE RIVER BASINS

STREAMFLOW FORECASTS

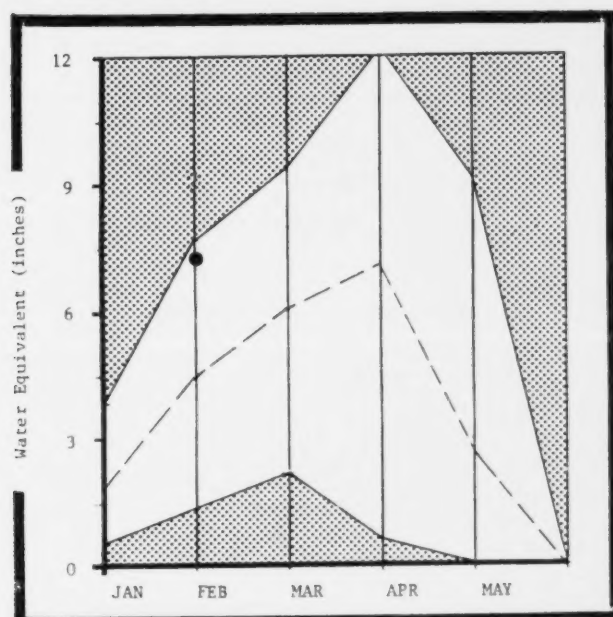
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
TONGUE RIVER near Dayton *	APR-SEP	123.0	125.0	101	132	72				
MIDDLE FORK POWDER near Barnum	APR-SEP	21.6	20.5	94	130	60				
NORTH FORK POWDER near Hazelton	APR-SEP	10.6	10.5	99	132	66				
CLEAR CREEK near Buffalo	APR-SEP	40.0	40.0	100	135	65				
ROCK CREEK near Buffalo	APR-SEP	25.4	25.0	98	134	63				
PINEY CREEK at Kearny	APR-SEP	54.8	55.0	100	137	64				
LITTLE BIGHORN at Hardin, MT	APR-SEP	182.0	191.0	104	137	48				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
TONGUE RIVER	68.0	12.4	14.6	30.2	UPPER TONGUE RIVER	13	122	102
					GOOSE CREEK	6	119	96
					CLEAR CREEK	3	152	105
					CRAZY WOMAN CREEK	3	149	103
					POWDER RIVER	29	126	101

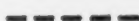
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BELLE FOURCHE AND CHEYENNE RIVER BASINS

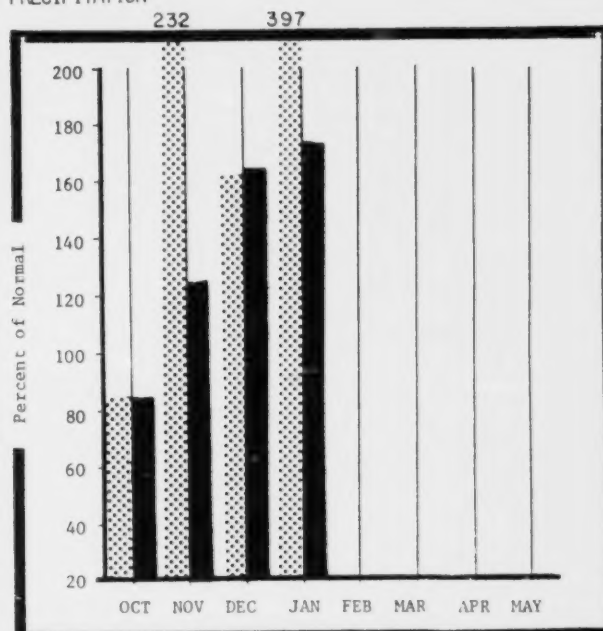
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack accumulation continues to be much above average for the basin. It is currently 74% above average. The above average snowpack could lead to above normal streamflows this coming spring and summer. Precipitation is presently 35% above average for the year. Reservoir storage is at 60% of the capacity which is slightly below normal.

For more information contact your local Soil Conservation Service office.

BELLE FOURCHE and CHEYENNE RIVER BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
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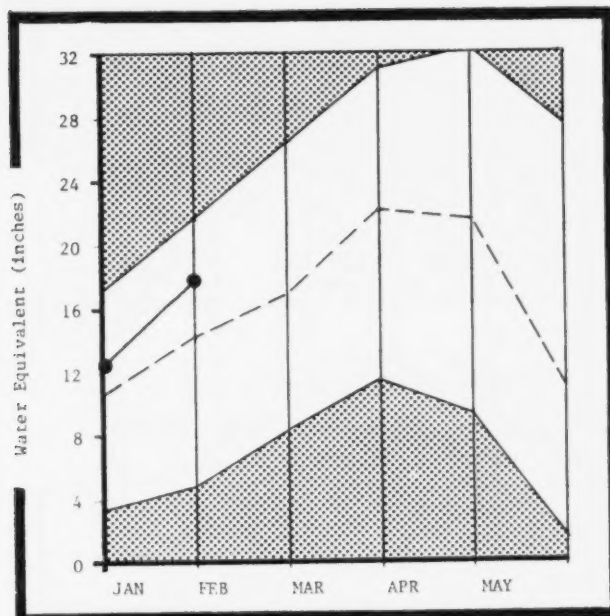
-No forecasts issued in this area-

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
ANGOSTURA	96.2	73.0	52.0	60.9	BELLE FOURCHE	6	189	140
BELLE FOURCHE	185.2	60.3	125.6	112.9				
DEERFIELD	15.1	14.7	15.2	13.7				
KEYHOLE	190.4	55.9	71.4	117.0				
FACTOLA	55.0	44.4	53.8	49.8				
SHADEHILL	81.5	121.0	51.4	48.3				

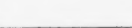
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS

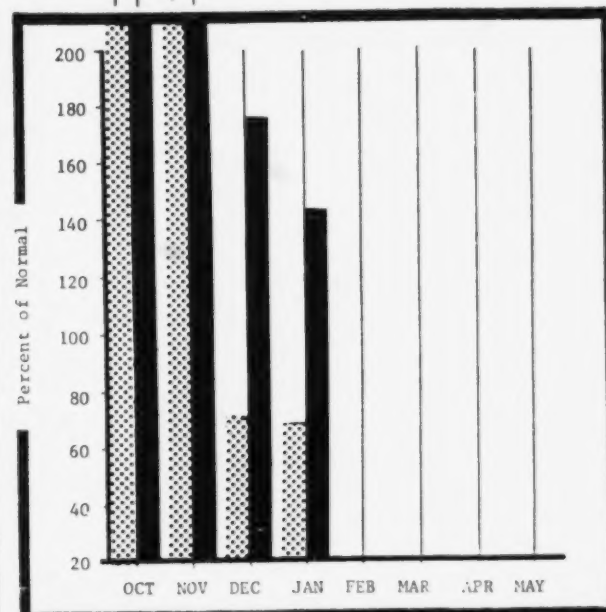
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Streamflow forecasts for the Upper North Platte Basin predict that above normal flows can be expected this spring and summer. The snowpack for this basin also remains above average with the Brush Creek drainage being 35% above normal. As for the Little Snake River Basin, both the snowpack buildup and streamflow forecasts are near normal. Precipitation for January in these basins was only 68% of normal, but is 63% above normal for the year.

For more information contact your local Soil Conservation Service office.

UPPER NORTH PLATTE and LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

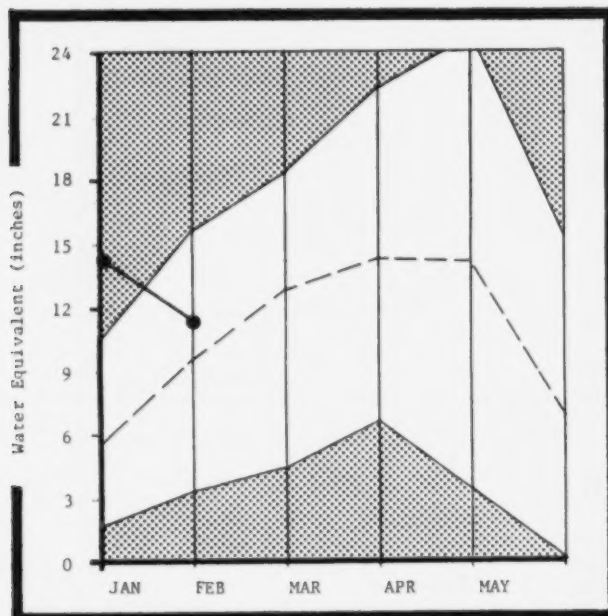
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Northgate	APR-SEP	262.0	300.0	114	140	89				
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	781.0	110	132	81				
ENCAMPMENT RIVER near Encampment	APR-SEP	156.0	175.0	112	138	86				
POCK CREEK near Arlington	APR-SEP	57.6	66.0	114	141	89				
LITTLE SNAKE RIVER near Dixon *	APR-SEP	320.0	345.0	107	140	76				
LITTLE SNAKE near Slater, CO *	APR-SEP	158.0	175.0	110	143	78				

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS						
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVE.			LAST YR.	AVERAGE
SEMINOE	1017.3	633.5	851.8	451.6	UPPER NORTH PLATTE	14	122	118
					ENCAMPMENT RIVER	3	105	106
					BRUSH CREEK	3	145	135
					MEDICINE BOW & ROCK CREEK	3	124	122
					N. PLATTE above SEMINOE	21	129	121
					UPPER LITTLE SNAKE RIVER	1	96	85
					SAVERY CREEK	1	112	116

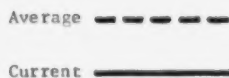
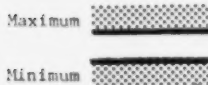
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE RIVER BASINS

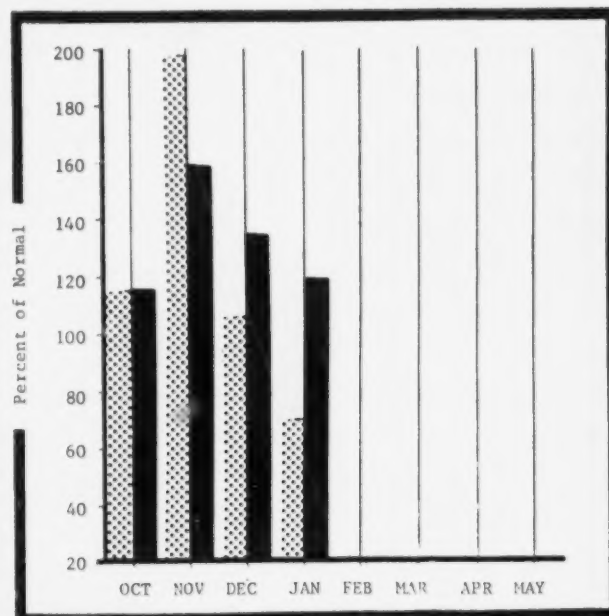
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow predictions for the Laramie and Sweetwater Rivers are for above average flows. The Lower North Platte River is forecast to have near normal flows. Snowpack accumulation in the basin continues to be above normal by as much as 30% in some locations. Precipitation for the month was similar to the rest of Wyoming in that it was below average. Precipitation for the year is above normal by about 21%. Reservoirs in the basin are at 77% of capacity, which is nearly 58% above average.

For more information contact your local Soil Conservation Service office.

LOWER NORTH PLATTE, SWEETWATER, and LARAMIE RIVER BASINS

STREAMFLOW FORECASTS

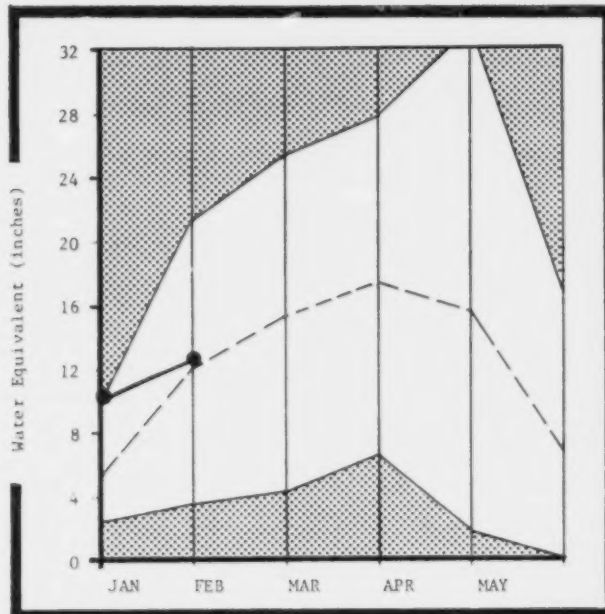
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	781.0	110	132	81				
SWEETWATER RIVER near Alcova	APR-SEP	73.7	84.0	113	180	61				
DEEP CREEK at Glenrock	APR-SEP	51.8	50.0	96	160	33				
LYFFLE CREEK above Reservoir	APR-SEP	33.7	32.5	96	160	33				
LARAMIE RIVER near Woods *	APR-SEP	132.0	160.0	121	152	91				
LITTLE LARAMIE RIVER near Filacre	APR-SEP	65.1	72.5	111	141	81				

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS						
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
ALCOVA	184.3	157.1	157.5		SWEETWATER	4	198	125
GLENDO	783.7	151.1	340.3	333.1	DEER & LaPRELE CREEKS	2	118	105
GUENSEY	45.2	10.1	1.3	7.2	N. PLATTE above LARAMIE	15	126	116
FATHFINDER	1015.5	718.1	894.3	940.8	LITTLE LARAMIE RIVER	4	139	107
SEMINOE	1017.3	633.5	851.8	451.6	UPPER LARAMIE RIVER	7	136	130
WHEATLAND #2	98.9	60.5	71.4	47.1	LARAMIE RIVER above MOUTH	14	140	118
					NORTH PLATTE in WYOMING	53	132	119

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER GREEN RIVER BASIN

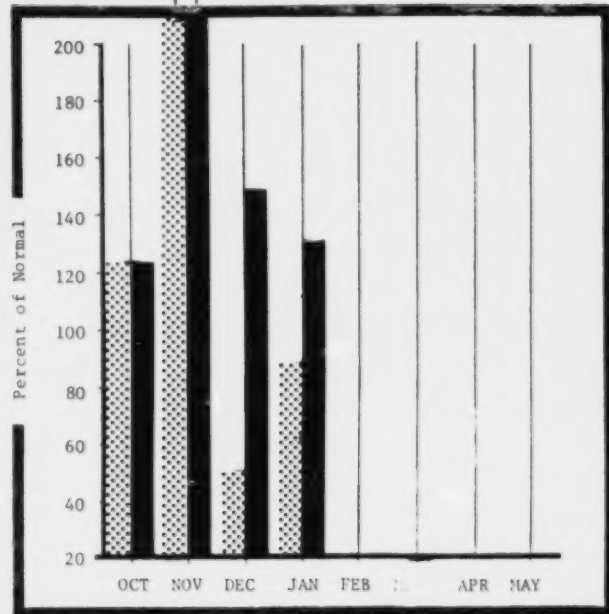
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum Average Minimum Current

PRECIPITATION*



*Based on selected stations

Monthly precipitation Year to date precipitation

WATER SUPPLY OUTLOOK:

Near normal streamflow is forecast for the basin. Snowpack buildup has sagged and is now also near normal. Precipitation for January was about 12% below average, while totals for the year remain above average by 29%.

For more information contact your local Soil Conservation Service office.

UPPER GREEN RIVER BASIN

STREAMFLOW FORECASTS

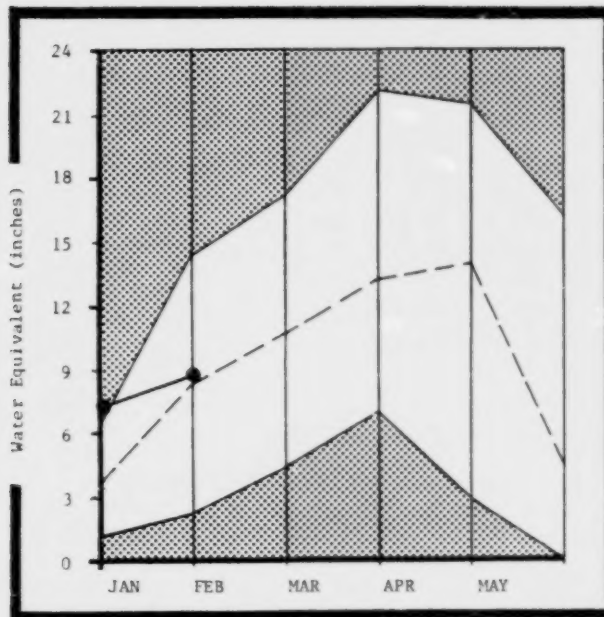
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GREEN RIVER near Warren Bridge	APR-SEP	326.0	345.0	105	125	87				
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1000.0	115	140	87				
LaBARGE CREEK at LaBarge Meadows	APR-SEP	8.9	9.0	101	135	90				
BIG SANDY RIVER near Big Sandy	APR-SEP	61.0	65.0	106	133	80	1000			

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVERAGE	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
BIG SANDY		NO REPORT			GREEN above WARREN BRIDGE	4	159	102
EDEN		NO REPORT			UPPER GREEN (West Side)	7	136	101
FLAMING GORGE	3749.0	3014.0	3309.8	---	NEWFORK LAKE	3	147	102
FONTENELLE	344.8	35.6	172.4	273.7	BIG SANDY/EDEN VALLEY	2	162	124
					GREEN above FONTENELLE	12	146	105

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER GREEN RIVER BASIN

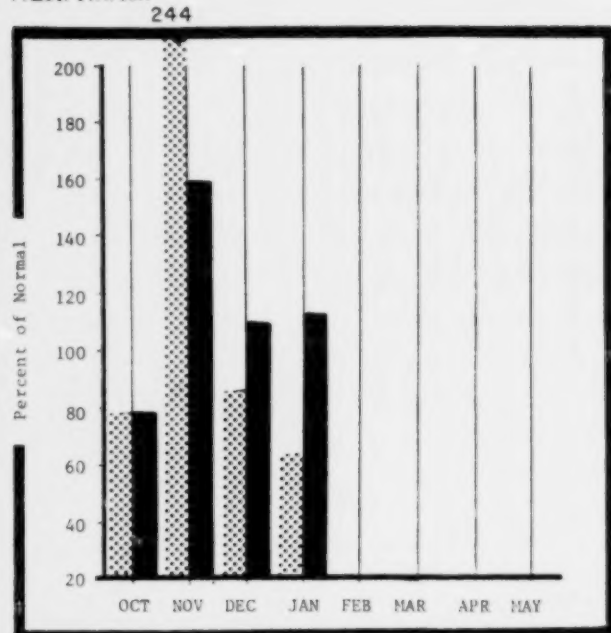
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Streamflow forecasts in this basin show flows are expected to be near normal for the spring and summer months with the exception of the Blacks Fork and Henrys Fork drainages. These drainages are expected to be above normal by as much as 25%. Snowpack accumulation is near normal. January precipitation was about 40% below normal, however, totals for the year show that precipitation is nearly 17% above normal.

For more information contact your local Soil Conservation Service office.

LOWER GREEN RIVER BASIN

STREAMFLOW FORECASTS

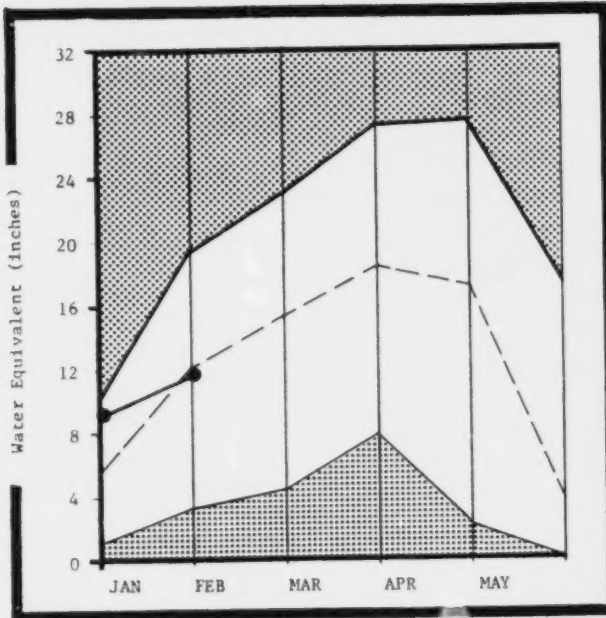
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1000.0	115	140	87				
HAMS FORK near Frontier	APR-SEP	71.3	74.0	103	133	74				
GREEN RIVER near Green River, WY *	APR-SEP	1079.0	1105.0	102	124	90				
BLACKS FORK near Milburne, UT	APR-JUL	89.9	100.0	111	149	79				
HENRYS FORK near Minila, UT	APR-SEP	48.0	60.0	125	169	92				
FLAMING GORGE Inflow *	APR-JUL	1248.0	1375.0	110	140	73				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVE.			LAST YR.	AVERAGE
FONTENELLE	344.8	35.6	172.4	273.7	HAMS FORK RIVER	3	142	101
FLAMING GORGE	3749.0	3014.0	3309.8	---	BLACKS FORK	4	107	107
MIVA NAUGHTON RES	42.4	29.6	33.0	---	HENRYS FORK	1	90	86
					GREEN above FLAMING GORGE	15	145	104

*Corrected for upstreem diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER BEAR RIVER BASIN

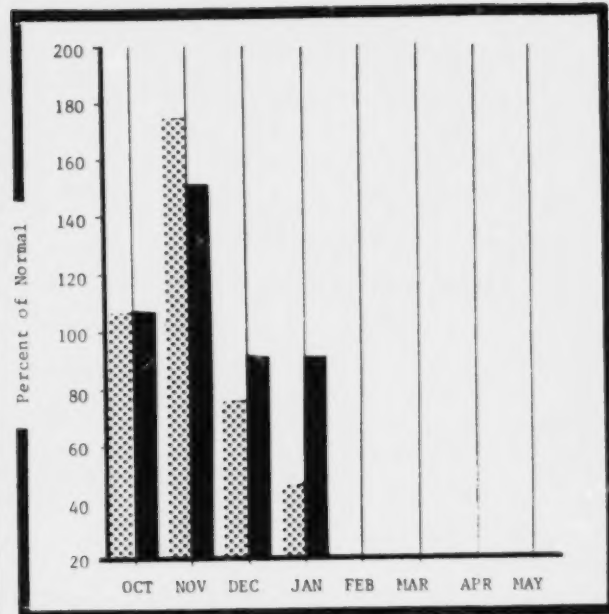
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Water users can expect near normal streamflows this year. Snowpack buildup has slowed, but is still near normal. Precipitation for January was much below normal, being only 47% of normal. Precipitation for the year is slightly below normal.

For more information contact your local Soil Conservation Service office.

UPPER BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SMITHS FORK near Border	APR-SEP	119.0	120.0	101	126	71				
THOMAS FORK near State line	APR-SEP	35.1	35.0	99	125	74				
BEAR RIVER at Utah-Wyoming line	APR-JUL	110.0	118.0	107	135	84				
BEAR RIVER near Woodruff, UT	APR-JUL	139.0	135.0	97	145	60				
BEAR RIVER near Randolph, UT	APR-JUL	110.0	110.0	100	189	76				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE LAST YEAR	USEABLE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
WOODRUFF NARROWS	55.8	36.0	55.5	---	UPPER BEAR RIVER	3	99	96
					SMITHS & THOMAS FORK'S	3	127	98
					BEAR RIVER abv IDAHO line	10	115	98

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.



THE FOLLOWING ORGANIZATIONS COOPERATE
WITH THE SOIL CONSERVATION SERVICE
IN SNOW SURVEY WORK

State

Conservation Districts of Wyoming
State Engineer of Wyoming
Department of Water Resources of Nebraska
Irrigation Districts of Wyoming
University of Wyoming
 Department of Atmospheric Resources
 Department of Agricultural Engineering

Federal

U.S. Department of Agriculture
 Soil Conservation Service
 Forest Service

U.S. Department of Commerce
 NOAA, National Weather Service

U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs
 Bureau of Land Management

Private

Utah Power and Light Company
Eden Valley Irrigation District

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

986/3



United States
Department of
Agriculture

Soil
Conservation
Service

Casper,
Wyoming



Wyoming Water Supply Outlook

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Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado (New Mexico)	2490 West 26th Ave., Denver, CO 80211
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	50 South Virginia Street, Third Floor, Reno, NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82602

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

Wyoming

Water Supply Outlook and

Federal-State-Private Cooperative Snow Surveys

Issued by

Wilson Sealing
Chief
Soil Conservation Service
Washington, D.C.

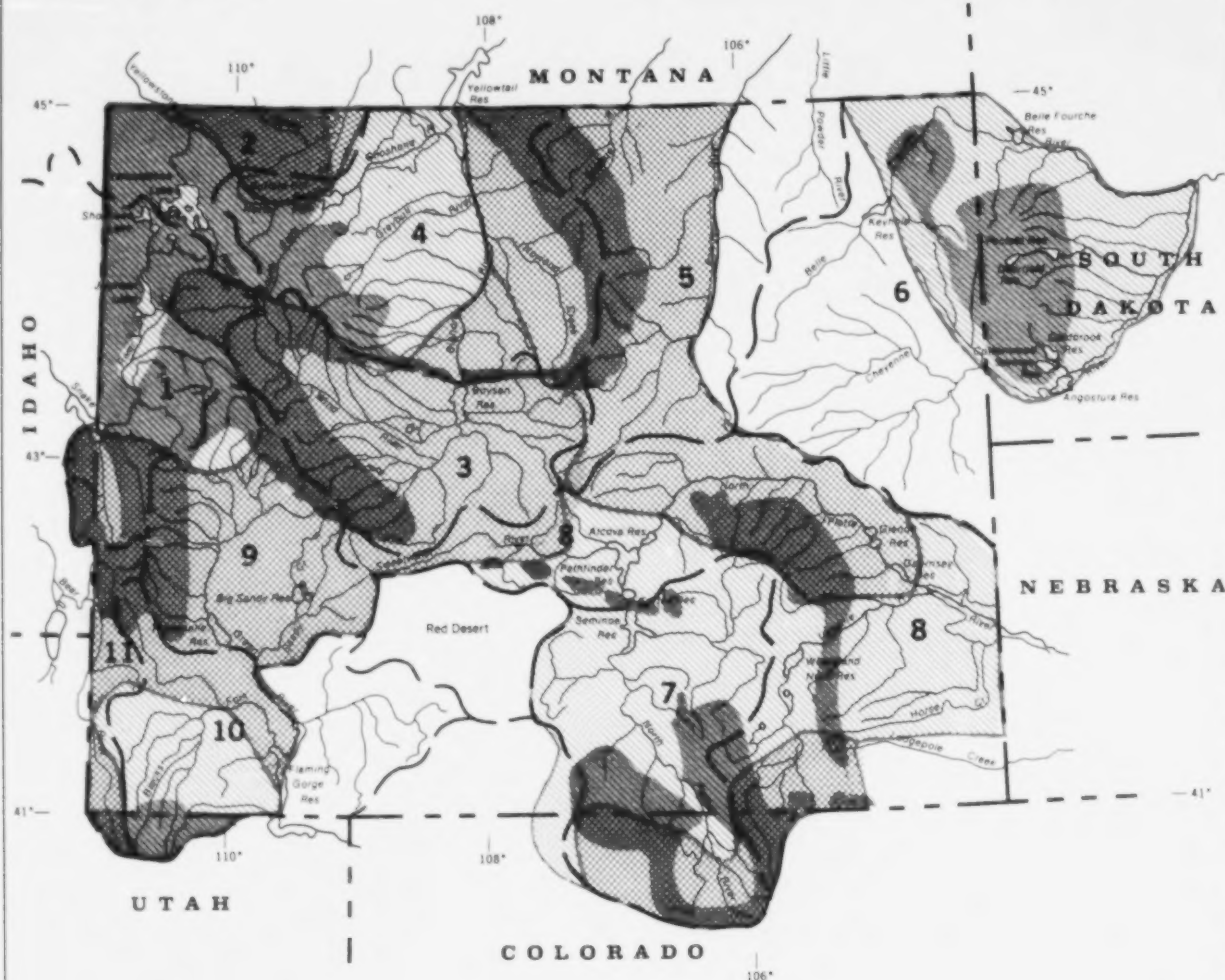
Released by

Frank S. Dickson
State Conservationist
Soil Conservation Service
Casper, Wyoming

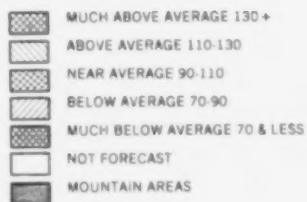
Prepared by

Ted Gilbert
Acting Water Supply Specialist
Soil Conservation Service
Room 3124, 100 East B Street
Casper, Wyoming 82601

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of Agriculture are available without regard to race, creed,
color, sex, age, or national origin.



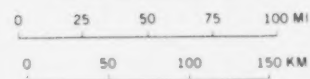
LEGEND
SPRING AND SUMMER PERIOD
(PERCENT OF AVERAGE)



RIVER BASINS

- 1 SNAKE
- 2 UPPER YELLOWSTONE AND MADISON
- 3 WIND
- 4 BIG HORN
- 5 POWDER AND TONGUE
- 6 BELLE FOURCHE AND CHEYENNE
- 7 UPPER NORTH PLATTE AND LITTLE SNAKE
- 8 LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE
- 9 UPPER GREEN
- 10 LOWER GREEN
- 11 UPPER BEAR

STREAMFLOW PROSPECTS
WYOMING



SOURCE: Data compiled by SCS
 Field Personnel

USDA SCS-FORT WORTH, TEXAS 1985

JULY 1985 4-R-39346

FORMERLY 7-L-22029G

GENERAL OUTLOOK

SUMMARY:

FEBRUARY WAS A MONTH OF CONTRASTS. FROM RECORD BREAKING TEMPERATURES, BOTH HIGHS AND LOWS, TO RECORD OR NEAR RECORD SNOWPACK DEPTHS. WINTER STORMS DUMPED SNOW IN THE WESTERN PART OF THE STATE IN RECORD AMOUNTS. SOME SNOW COURSES SHOW ACCUMULATED SNOWPACK AS MUCH AS 100% ABOVE NORMAL. HEAVY WINDS THAT ACCOMPANIED THE STORMS ALONG WITH WARMING TEMPERATURES TRIGGERED AVALANCES IN MANY AREAS OF WESTERN WYOMING. STREAMFLOW PROSPECTS FOR THE STATE REMAIN BRIGHT FOR SPRING AND SUMMER. RUNOFF WILL BE FROM NEAR AVERAGE TO MUCH ABOVE AVERAGE IF PRESENT TRENDS CONTINUE.

SNOWPACK:

A series of winter storms pushed the snowpack to record or near record levels in several areas of the state. Most snow accumulation was experienced in the Wind River, Wyoming, Teton, Gros Ventre and Absaroka Ranges in the north and west part of the state, and the Snowy and Sierra Madre Ranges in the south. The snowpack in these areas range from 30% to 100% above normal. Snowpack accumulation for the remainder of the state is near or slightly above average. The exception to the rule is the Casper Mountain and Muddy Mountain areas on the northwest flank of the Laramie Mountain Range in central Wyoming. These areas are about 5% below normal.

PRECIPITATION:

February total precipitation at almost all stations were near normal or much above normal. Excessive snowfall occurred in extreme western Wyoming. Amounts up to 7 1/2-inches of water equivalent were common in the Star Valley area northward into the Tetons. Elsewhere, averages were normal to slightly above normal. Seasonal comparisons were mostly 25% to 100% above normal. Extreme northwest areas, including the Snake drainage were almost 200% above normal. East of the Big Horns...the Little Missouri and Tongue drainages were up to 130% above normal.

RESERVOIRS:

Major reservoir storage in the state is generally less than at this time last year. When compared to the long term average, present storage is about 8% above normal.

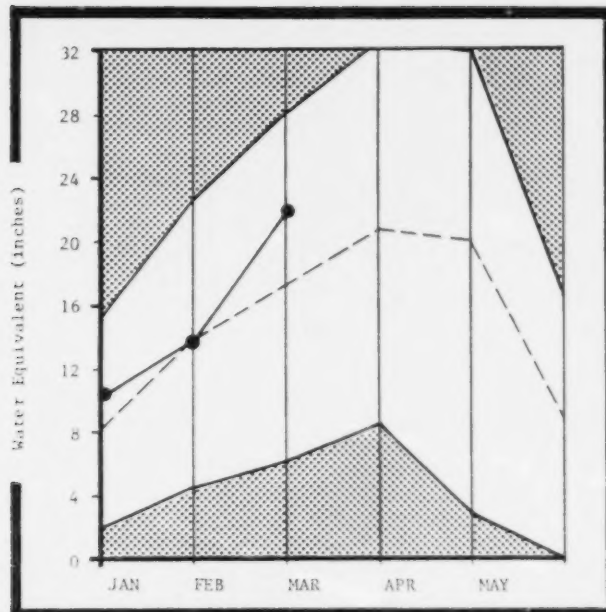
STREAMFLOW:

Streamflow prospects for the spring and summer brightened during the month of February. Most encouraging was the improvement of flow prospects for the Lower Clarks Fork and Shoshone drainages. Water users in these drainages can expect normal to slightly above normal streamflows. The Upper North Platte, Sweetwater and Upper Laramie drainages in the south and south central part of the state can expect runoff to average from 30 to 50 percent above normal.

The Upper Bear River, Upper Green River and Upper Wind River drainages can expect runoff to be 35 to 100 percent above normal. Streamflow predictions for the remainder of the state show normal or slightly above normal flows can be expected. These forecasts are dependent upon average snowfall accumulations for the remaining portion of the snow season. The forecasts in this bulletin are a result of coordinated activity between the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to the water user.

SNAKE RIVER BASIN

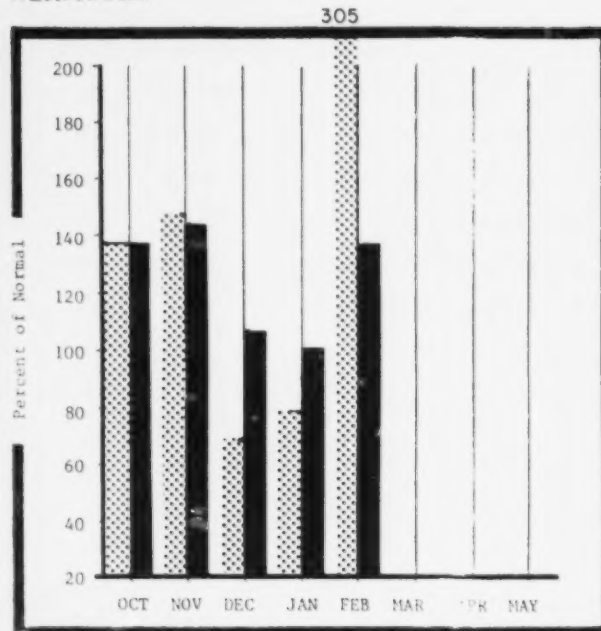
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Streamflow forecasts for this basin show expected flows to be 20 to 36 percent above average. Snowpack buildup for the month took a jump with all stations well above average. Some were as much as 50% above average. Precipitation set records at several stations. The monthly precipitation was about 200% above normal, with the year to date precipitation being 37% above average. Reservoir storage with the exception of Jackson Lake is above average.

For more information contact your local Soil Conservation Service office.

SNAKE RIVER BASIN

STREAMFLOW FORECASTS

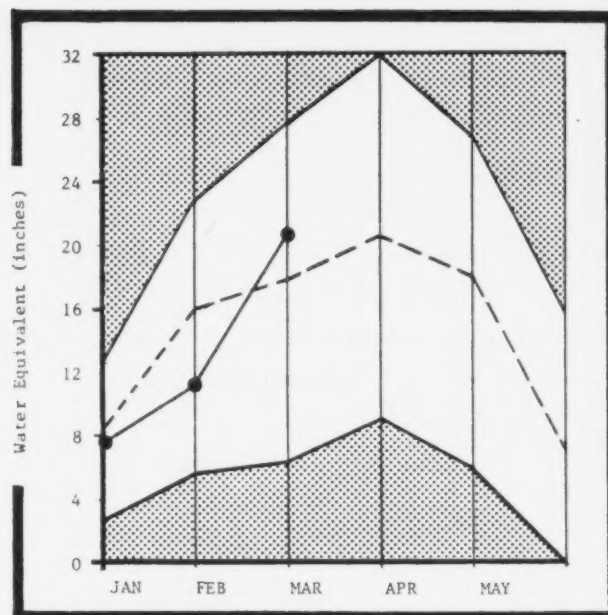
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SNAKE RIVER near Moran *	APR-SEP	880.0	1070.0	121	138	106				
SNAKE RIVER above Palisades *	APR-SEP	2730.0	3281.0	120	136	104				
SNAKE RIVER at Heise, ID *	APR-SEP	4066.0	5080.0	124	149	101				
PACIFIC CREEK at Moran	APR-SEP	174.0	237.0	136	159	113				
GREYS RIVER above Palisades	APR-SEP	393.0	540.0	137	160	115				
SALT RIVER near Etna	APR-SEP	394.0	570.0	144	184	110				
PALISADES RESERVOIR Inflow *	APR-SEP	3793.0	4740.0	124	144	106				
SWIFT CREEK near Afton	MAY-SEP	46.0	52.6	114	137	91				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
GRASSY LAKE	15.1	12.9	13.1	10.4	SNAKE above JACKSON LAKE	8	135	129
JACKSON LAKE	624.4	148.8	274.8	553.0	PACIFIC CREEK	2	175	151
PALISADES	1200.0	911.4	888.5	851.0	GROS VENTRE RIVER	4	176	137
					HOBACK RIVER	7	166	139
					GREYS RIVER	4	166	128
					SALT RIVER	5	152	135
					SNAKE above PALISADES	29	152	133

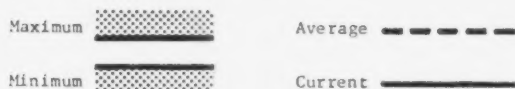
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER YELLOWSTONE AND MADISON RIVER BASINS

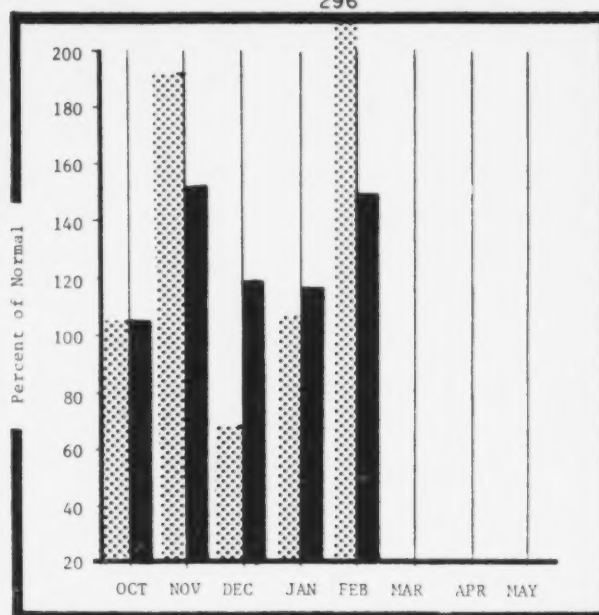
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpack buildup continues to be above average in the basin. Runoff estimates show that water users can expect near normal to above normal streamflows this spring and summer. February was a wet month for the basin as monthly precipitation amounts were 196% above normal. Year to date precipitation is about 50% above normal. Reservoir storage remains above average with about 73% of the usable capacity being used.

For more information contact your local Soil Conservation Service office.

UPPER YELLOWSTONE and MADISON RIVER BASINS

STREAMFLOW FORECASTS

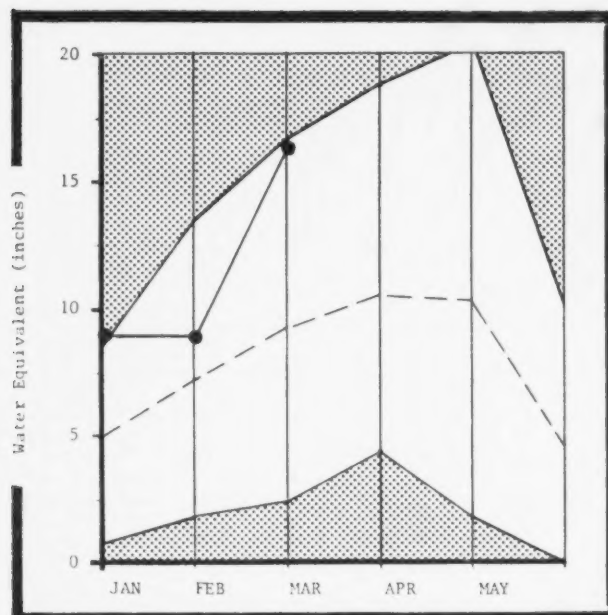
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
YELLOWSTONE RIVER at Lake Outlet	APR-SEP	826.0	900.0	108	125	93				
YELLOWSTONE RIVER at Corwin Spgs.	APR-SEP	2027.0	1960.0	96	113	81				
YELLOWSTONE RIVER near Livingston	APR-SEP	2379.0	2250.0	94	111	79				
MADISON RIVER near Grayling, MT *	APR-SEP	496.0	545.0	109	128	92				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF	
		THIS YEAR	LAST YEAR	AVE.			LAST YR.	AVERAGE
ENNIS LAKE	41.0	30.1	32.5	35.7	UPPER MADISON RIVER	13	130	121
HERGEN LAKE	378.0	277.1	305.2	224.6	CLARKS FORK	20	143	111
					UPPER YELLOWSTONE RIVER	17	145	119

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

WIND RIVER BASIN

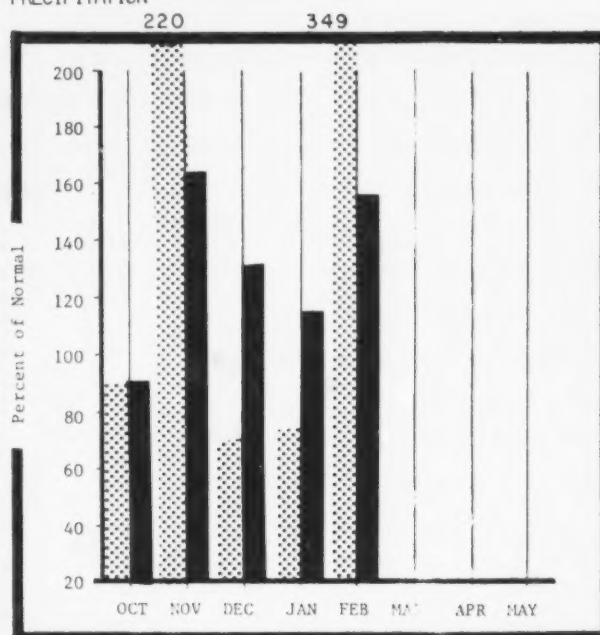
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow prospects remain bright for the spring and summer. Flows are predicted to be from 39 to 50 percent above average. Precipitation for the month was the big story in this basin. February precipitation was 249% above average. This precipitation led to a snowpack that is between 50% and 90% above normal. Several snow courses had record depths. All reservoirs in the basin show above average storage quantities.

For more information contact your local Soil Conservation Service office.

WIND RIVER BASIN

STREAMFLOW FORECASTS

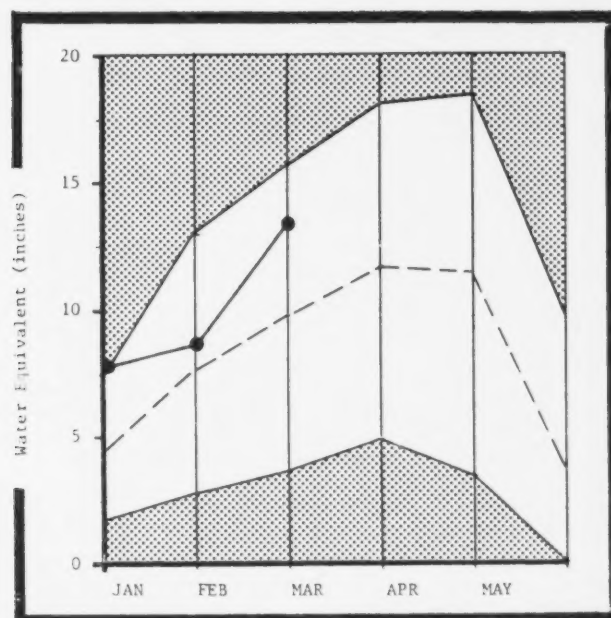
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER near Dubois	APR-SEP	106.0	152.0	143	167	120				
WIND RIVER at Riverton *	APR-SEP	678.0	1015.0	149	176	124				
WIND RIVER below Boysen *	APR-SEP	1163.0	1750.0	150	174	124				
BULL LAKE CREEK near Lenore *	APR-SEP	188.0	268.0	142	164	121				
LITTLE POPO AGIE RIVER near Lander	APR-SEP	53.0	74.0	139	168	111				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
BULL LAKE	151.1	43.7	89.9	88.0	UPPER WIND RIVER	11	213	150
BOYSEN	549.9	602.1	321.8	295.0	WIND above RIVERTON	19	224	161
PILOT BUTTE	31.6	25.0	23.5	15.4	POPO AGIE	4	222	191
					WIND above BOYSEN	23	224	166

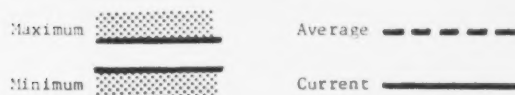
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BIGHORN RIVER BASIN

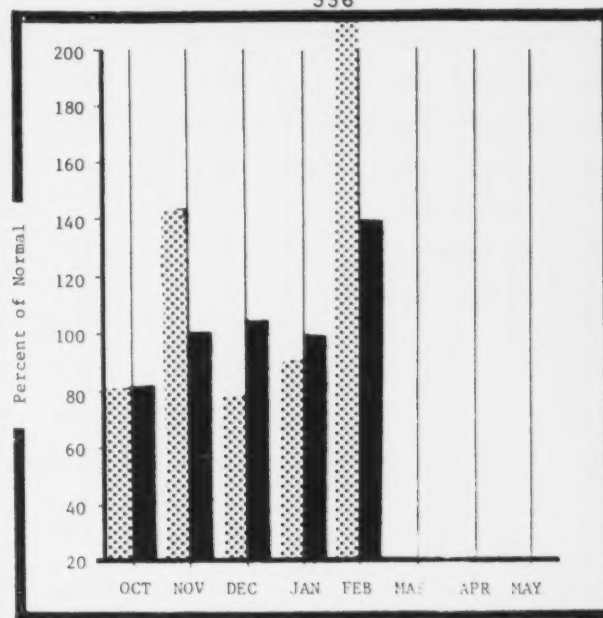
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Precipitation during the month has greatly brightened the runoff prospects. Streamflows are expected to be near normal or slightly above normal, with the Greybull and Shoshone drainages being nearly 20% above average. Precipitation for the month in the basin was about 230% above normal. Snowpack accumulation remains above normal with the Greybull drainage being 84% above average. Reservoir storage is above normal for this time of year.

For more information contact your local Soil Conservation Service office.

BIGHORN RIVER BASIN

STREAMFLOW FORECASTS

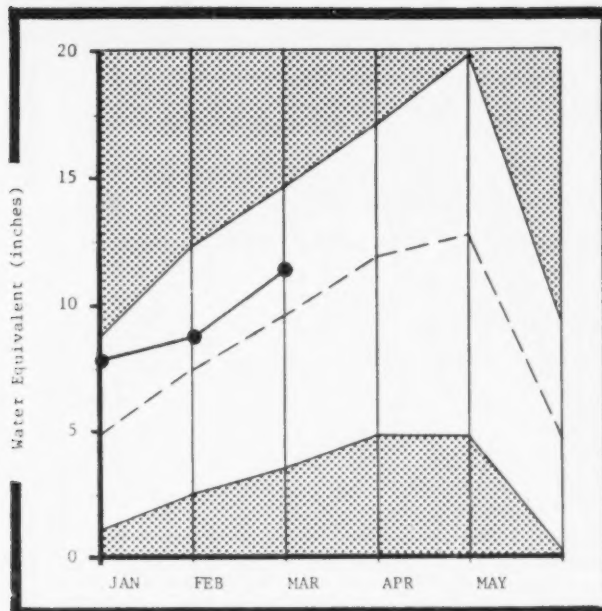
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER below Boysen *	APR-SEP	1163.0	1750.0	150	174	126				
SHELL CREEK near Shell	APR-SEP	78.0	78.0	100	129	79				
GREYBULL RIVER at Meeteetse	APR-SEP	215.0	260.0	120	145	97				
SHOSHONE RIVER blw Buffalo Bill *	APR-SEP	845.0	1055.0	124	145	105				
CLARKS FORK near Belfry	APR-SEP	628.0	705.0	112	142	82				
SOUTH FORK SHOSHONE near Valley	APR-SEP	278.0	315.0	113	137	89				
NOWOOD RIVER near Tensleep	MAR-SEP	71.0	75.0	105	130	82				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
BOYSEN	549.9	602.1	321.8	295.0	SHOSHONE RIVER	10	188	156
BUFFALO BILL	373.1	275.2	238.5	169.0	NOWOOD RIVER	5	164	105
BIGHORN LAKE	1356.0	733.5	854.9	590.4	GREYBULL RIVER	4	200	184
					SHELL CREEK	7	149	113
					BIGHORN (Boysen-Bighorn)	35	173	131

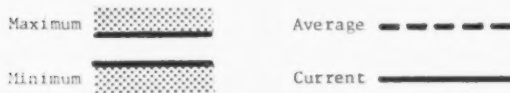
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

POWDER AND TONGUE RIVER BASINS

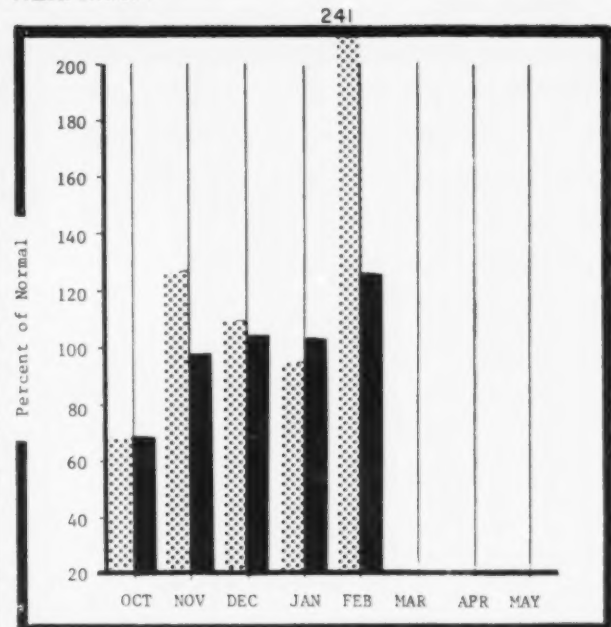
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow forecasts are near to slightly above average. Snowpack buildup is near normal. Precipitation for the month was 141% above average. For the year precipitation is about 24% above average. If current conditions continue, water users can expect sufficient water supplies for the spring and summer.

For more information contact your local Soil Conservation Service office.

POWDER and TONGUE RIVER BASINS

STREAMFLOW FORECASTS

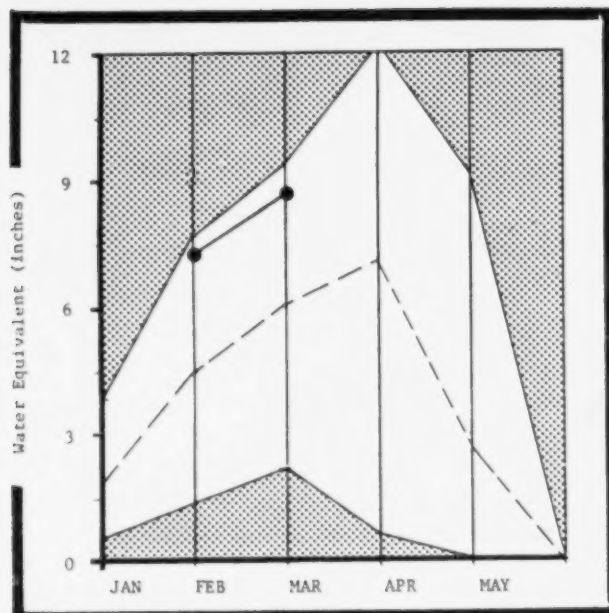
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
TONGUE RIVER near Dayton *	APR-SEP	123.0	130.0	105	133	78				
MIDDLE FORK POWDER near Barnum	APR-SEP	21.6	23.0	104	139	74				
NORTH FORK POWDER near Hazelton	APR-SEP	10.6	11.5	108	142	75				
CLEAR CREEK near Buffalo	APR-SEP	40.0	44.3	110	145	78				
ROCK CREEK near Buffalo	APR-SEP	25.4	28.0	110	146	75				
PINEY CREEK at Kearny	APR-SEP	54.8	60.0	109	144	75				
LITTLE BIGHORN at Hardin, MT	APR-SEP	182.0	218.0	119	167	64				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
TONGUE RIVER	68.0	24.6	10.2	34.4	UPPER TONGUE RIVER	13	136	113
					GOOSE CREEK	6	139	111
					CLEAR CREEK	3	202	130
					CRAZY WOMAN CREEK	3	203	109
					POWDER RIVER	29	148	112

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BELLE FOURCHE AND CHEYENNE RIVER BASINS

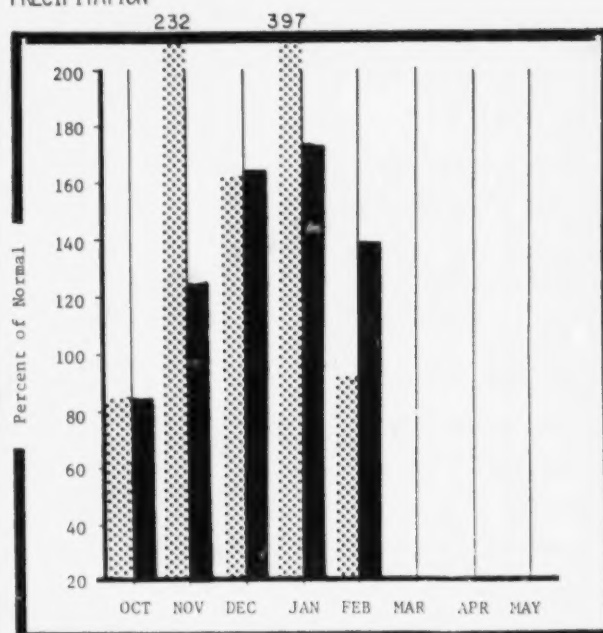
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Precipitation during the month was only about 91% of normal which led to a reduction in the snowpack percentage. The snowpack remains above average by nearly 31%. However, this is a reduction from the previous months percentage. Reservoir storage on the Belle Fourche drainage is below normal. The remaining reservoir storage in the basin is near to slightly above average.

For more information contact your local Soil Conservation Service office.

BELLE FOURCHE and CHEYENNE RIVER BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
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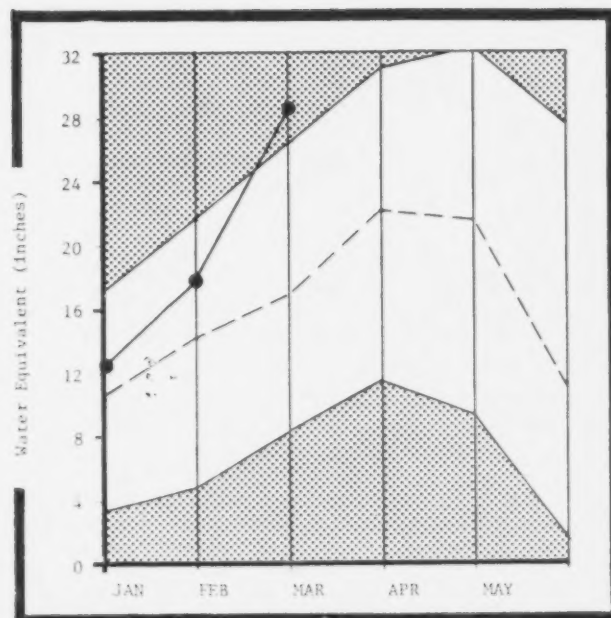
-No forecasts issued in this area-

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
ANGOSTURA	86.2	80.0	53.7	58.6	BELLE FOURCHE	6	179 131
BELLE FOURCHE	185.2	75.7	135.1	114.0			
DEERFIELD	15.1	15.2	15.6	13.2			
KEYHOLE	190.4	56.8	79.1	111.0			
PACTOLA	55.0	44.9	53.5	44.2			
SHADEHILL	81.5	120.3	53.5	48.0			

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS

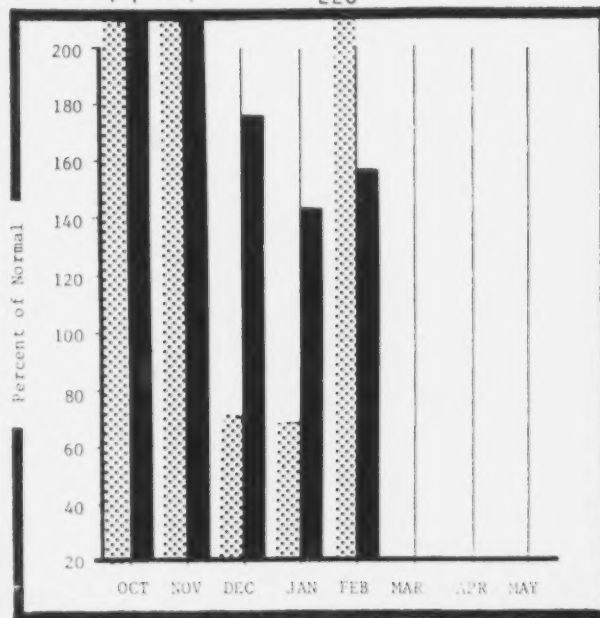
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow prospects in the Little Snake River Basin improved during the month. Forecasts predict flows to be nearly 30% above normal. Streamflows expected for the Upper North Platte Basin remain above average. Precipitation during the month was much above average at 126%. Year to date precipitation is about 60% above normal. Snowpack accumulation also is above average with the Little Snake River Basin being between 13% and 34% above average and the Upper North Platte Basin being 40% above average.

For more information contact your local Soil Conservation Service office.

UPPER NORTH PLATTE and LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

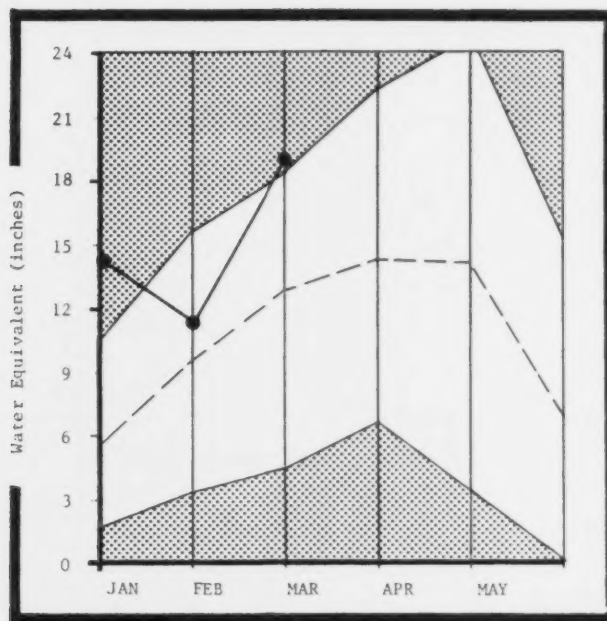
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Northgate	APR-SEP	262.0	330.0	125	150	102				
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	852.0	120	148	90				
ENCAMPMENT RIVER near Encampment	APR-SEP	156.0	195.0	125	149	101				
ROCK CREEK near Arlington	APR-SEP	57.6	75.0	130	135	104				
LITTLE SNAKE RIVER near Dixon *	APR-SEP	320.0	412.0	128	159	99				
LITTLE SNAKE near Slatery, CO *	APR-SEP	158.0	200.0	126	156	97				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
SEMINOE	1017.3	579.8	836.0	347.0	UPPER NORTH PLATTE	7	153	134
					ENCAMPMENT RIVER	3	145	137
					BRUSH CREEK	3	155	136
					MEDICINE BOW & ROCK CREEK	3	184	143
					N. PLATTE above SEMINOE	14	182	149
					UPPER LITTLE SNAKE RIVER	1	131	120
					SAVERY CREEK	1	139	134

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE RIVER BASINS

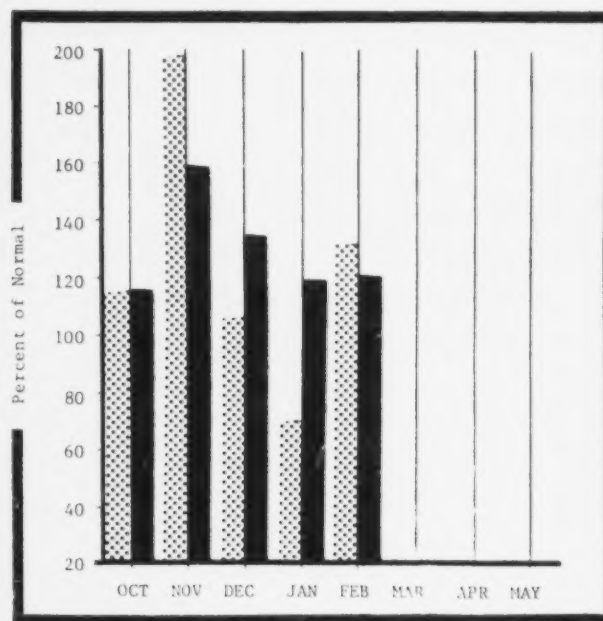
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Streamflow outlook remains rosey for the basin except for the Deer and LaPrele Creeks. These drainages are predicted to be about 4% below normal. Flows for the remainder of the basin should be above average. Snowpack continues to be above average for most of the basin. Precipitation for the month was about 32% above normal and is about 21% above average for the year. Reservoir storage is above average in Seminole and Pathfinder, and below average in the remaining main stem dams.

For more information contact your local Soil Conservation Service office.

LOWER NORTH PLATTE, SWEETWATER, and LARAMIE RIVER BASINS

STREAMFLOW FORECASTS

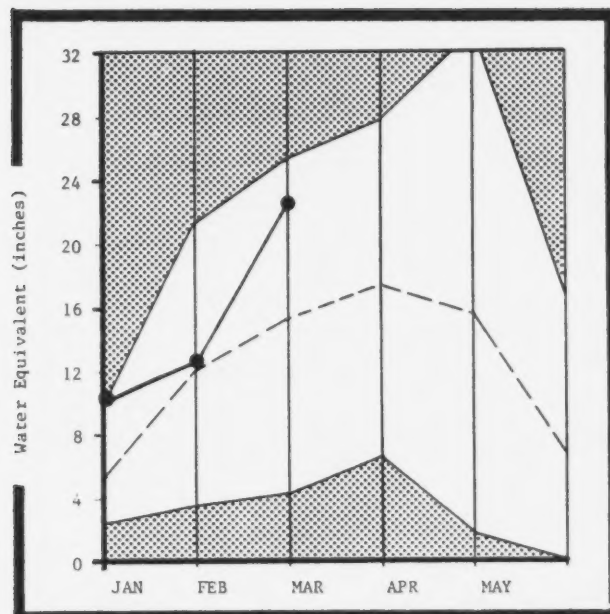
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	852.0	120	148	90				
SWEETWATER RIVER near Alcova	APR-SEP	73.7	99.5	135	213	104				
DEER CREEK at Glenrock	APR-SEP	51.8	90.0	96	158	35				
LaPRELE CREEK above Reservoir	APR-SEP	33.7	32.5	96	157	36				
LARAMIE RIVER near Woods *	APR-SEP	132.0	175.0	132	141	105				
LITTLE LARAMIE RIVER near Filmore	APR-SEP	65.1	84.0	129	157	101				

RESERVOIR STORAGE					(1000AF)	WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE **			WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF		
		THIS YEAR	LAST YEAR	AVE.			LAST YR.	AVERAGE	
ALCOVA	184.3	147.9	156.4	162.7	SWEETWATER	4	280	200	
GLEND	789.4	175.9	368.2	383.0	DEER & LaPRELE CREEKS	2	110	95	
GUERNSEY	45.6	12.3	32.4	12.7	N. PLATTE above LARAMIE	12	162	133	
PATHFINDER	1016.5	780.8	886.4	547.0	LITTLE LARAMIE RIVER	4	184	127	
SEMINOE	1017.3	579.8	836.0	347.0	UPPER LARAMIE RIVER	2	159	152	
WHEATLAND #2	98.9	69.0	73.1	48.7	LARAMIE RIVER above MOUTH	10	174	130	
NORTH PLATTE PROJ	1062.1	682.1	1054.0	653.8	NORTH PLATTE in WYOMING	39	177	144	
KENDRICK PROJECT	1201.7	1108.3	1004.3	755.7					
GLEND PROJECT USERS		NO REPORT							

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER GREEN RIVER BASIN

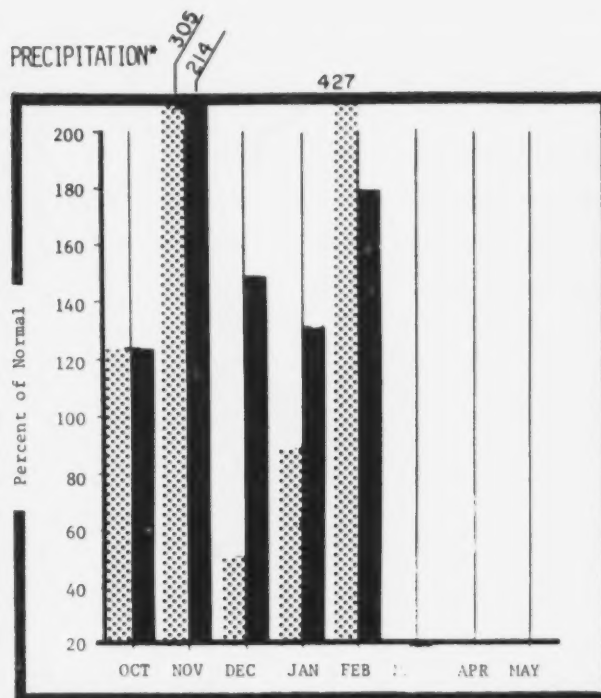
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Above average streamflows can be expected by the water users this spring and summer. Precipitation for the month was over 300% of normal and is nearly 81% above average for the year. The heavy precipitation led to a continued snowpack buildup that is above average. Snowpack is between 43% and 67% above normal for the basin. With the exception of Fontenelle Reservoir, all basin reservoir storage is above normal.

For more information contact your local Soil Conservation Service office.

UPPER GREEN RIVER BASIN

STREAMFLOW FORECASTS

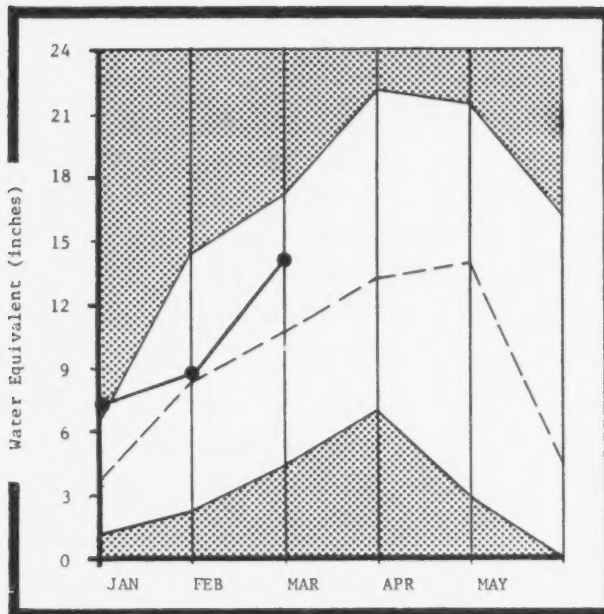
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GREEN RIVER near Warren Bridge	APR-SEP	326.0	432.0	132	149	116				
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1250.0	143	165	122				
LaBARGE CREEK at LaBarge Meadows	APR-SEP	8.9	12.1	135	157	112				
BIG SANDY RIVER near Big Sandy	APR-SEP	61.0	92.0	150	175	126	1200			

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
BIG SANDY	38.3	21.0	24.2	17.2	GREEN above WARREN BRIDGE	4	237	162
EDEN	11.8	7.0	---	2.5	UPPER GREEN (West Side)	7	184	143
FLAMING GORGE	3749.0	2958.0	3036.5	---	NEWFORK LAKE	3	259	163
FONTENELLE	344.8	35.9	168.3	167.1	BIG SANDY/EDEN VALLEY	2	216	167
					GREEN above FONTENELLE	12	205	150

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER GREEN RIVER BASIN

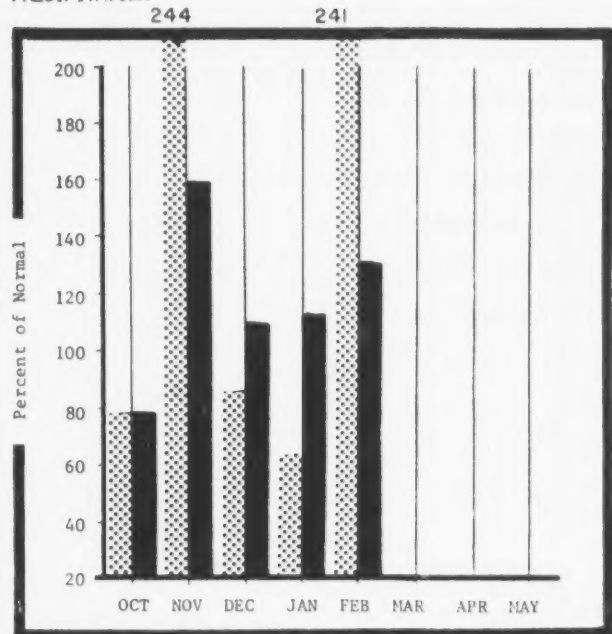
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Accumulated snowpack remains above average for the basin. It ranges from 19% to 50% above normal. Expected streamflows for spring and summer likewise are above average. Precipitation for February was above average by 141%. For the year it is about 34% above normal.

For more information contact your local Soil Conservation Service office.

LOWER GREEN RIVER BASIN

STREAMFLOW FORECASTS

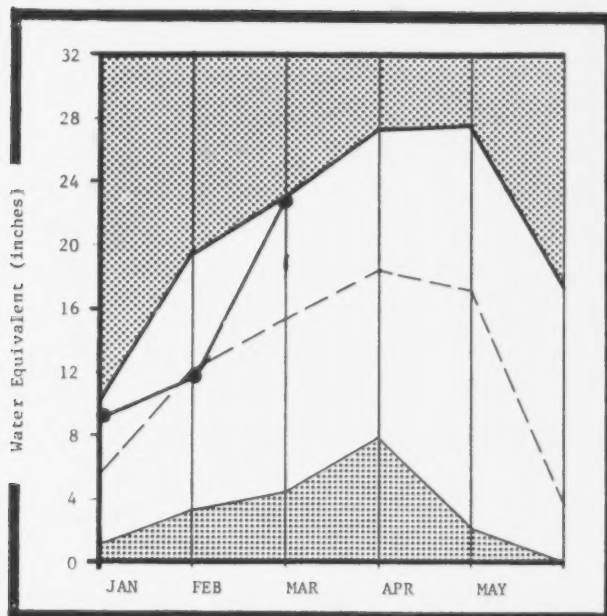
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1250.0	143	165	122				
HAMS FORK near Frontier	APR-SEP	71.3	120.0	168	195	142				
GREEN RIVER near Green River, WY *	APR-SEP	1079.0	1450.0	134	154	114				
BLACKS FORK near Milburn, UT	APR-JUL	89.9	120.0	133	168	102				
HENRYS FORK near Manila, UT	APR-SEP	48.0	62.5	130	169	100				
FLAMING GORGE Inflow *	APR-JUL	1248.0	1900.0	152	178	129				

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
FONTENELLE	344.8	35.9	168.3	167.1		HAMS FORK RIVER	3	197 150
FLAMING GORGE	3749.0	2958.0	3036.5			BLACKS FORK	4	134 126
VIVA NAUGHTON RES		NO REPORT				HENRYS FORK	1	123 119
						GREEN above FLAMING GORGE	15	203 150

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER BEAR RIVER BASIN

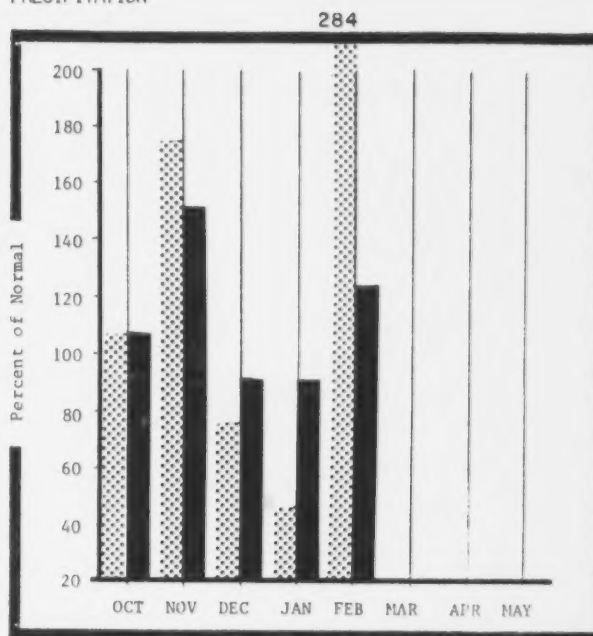
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack in the Smiths Fork and Thomas Fork portion of the basin is about 52% above normal. The snowpack for the rest of the basin is nearly 36% above normal. Precipitation for the month was 184% above average. Precipitation for the year is 24% above average. Forecasted streamflows for the spring and summer are 42% above normal.

For more information contact your local Soil Conservation Service office.

UPPER BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SMITHS FORK near Border	APR-SEP	119.0	170.0	142	167	118				
THOMAS FORK near State line	APR-SEP	35.1	50.0	142	143	120				
BEAR RIVER at Utah-Wyoming line	APR-JUL	110.0	149.0	135	157	117				
BEAR RIVER near Woodruff, UT	APR-JUL	139.0	181.0	130	169	107				
BEAR RIVER near Randolph, UT	APR-JUL	110.0	222.0	201	234	150				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	STORAGE LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
WOODRUFF NARROWS	55.8	34.2	57.8	---	UPPER BEAR RIVER	3	141	136
					SMITHS & THOMAS FORK'S	3	195	152
					BEAR RIVER abv IDAHO line	10	163	140

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.



THE FOLLOWING ORGANIZATIONS COOPERATE
WITH THE SOIL CONSERVATION SERVICE
IN SNOW SURVEY WORK

State

Conservation Districts of Wyoming
State Engineer of Wyoming
Department of Water Resources of Nebraska
Irrigation Districts of Wyoming
University of Wyoming
 Department of Atmospheric Resources
 Department of Agricultural Engineering

Federal

U.S. Department of Agriculture
 Soil Conservation Service
 Forest Service

U.S. Department of Commerce
 NOAA, National Weather Service

U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs
 Bureau of Land Management

Private

Utah Power and Light Company
Eden Valley Irrigation District

Other organizations and individuals furnish information for the
snow survey reports. Their cooperation is gratefully acknowledged.

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Department of
Agriculture

Soil
Conservation
Service

Casper,
Wyoming



Wyoming Water Supply Outlook

April 1, 1986

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Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado (New Mexico)	2490 West 26th Ave., Denver, CO 80211
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	50 South Virginia Street, Third Floor, Reno, NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82602

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.



Wyoming
Water Supply Outlook
and
Federal-State-Private
Cooperative Snow Surveys

Issued by

Wilson Scaling
Chief
Soil Conservation Service
Washington, D.C.

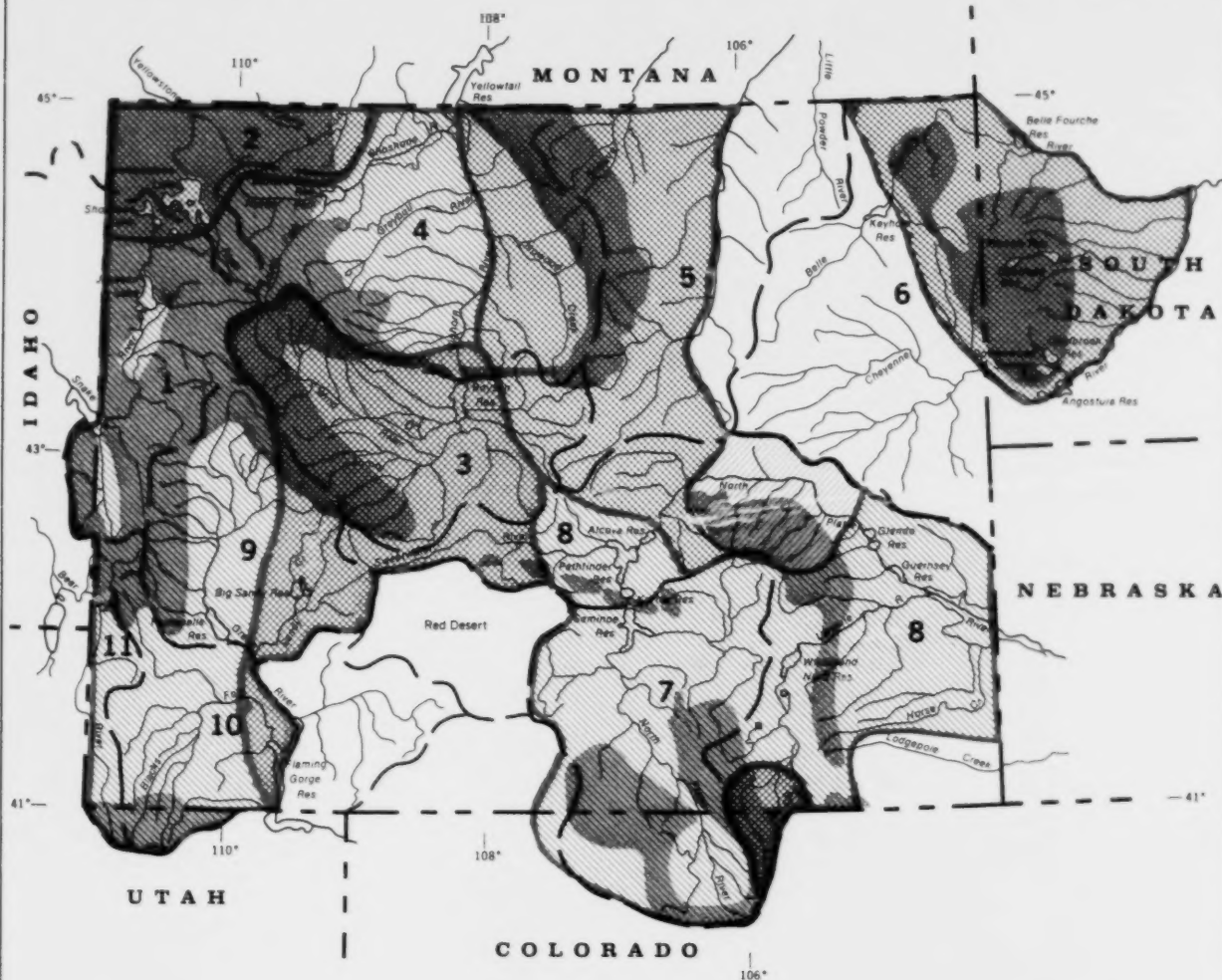
Released by

Frank S. Dickson
State Conservationist
Soil Conservation Service
Casper, Wyoming

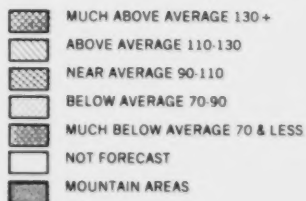
Prepared by

Ted Gilbert
Acting Water Supply Specialist
Soil Conservation Service
Room 3124, 100 East B Street
Casper, Wyoming 82601

Programs and assistance of the United States Department of Agriculture are available without regard to race, creed, color, sex, age, or national origin.



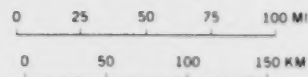
LEGEND
SPRING AND SUMMER PERIOD
(PERCENT OF AVERAGE)



RIVER BASINS

1. SNAKE
2. UPPER YELLOWSTONE AND MADISON
3. WIND
4. BIG HORN
5. POWDER AND TONGUE
6. BELLE FOURCHE AND CHEYENNE
7. UPPER NORTH PLATTE AND LITTLE SNAKE
8. LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE
9. UPPER GREEN
10. LOWER GREEN
11. UPPER BEAR

STREAMFLOW PROSPECTS
WYOMING



SOURCE: Data compiled by SCS
 Field Personnel

USDA SCS FORT WORTH, TEXAS 1985

JULY 1985 4-R-39346

FORMERLY 7-L-22029G

GENERAL OUTLOOK

SUMMARY:

WATER SUPPLY OUTLOOK FOR THE USERS THROUGHOUT THE STATE REMAINS QUITE HOPEFUL. USERS CAN EXPECT NEAR NORMAL TO MUCH ABOVE NORMAL WATER SUPPLIES THIS SPRING AND SUMMER. EXCEPTIONS TO THIS ARE THE DEER CREEK AND LaPRELE CREEK DRAINAGES, WHICH ARE ABOUT 40% BELOW NORMAL. SNOWPACK IN THE HIGHER ELEVATIONS THROUGHOUT THE STATE IS ALSO NEAR NORMAL TO MUCH ABOVE NORMAL. SNOWPACK AT THE LOWER ELEVATIONS FOR THE MOST PART IS GONE. PRECIPITATION FOR THE MONTH VARIED GREATLY WITHIN THE STATE AND ALSO WITHIN INDIVIDUAL BASINS. RESERVOIR STORAGE CONTINUES TO BE ABOVE THE LONG TERM AVERAGE.

SNOWPACK:

Snowpack accumulation remains above average throughout most of the state. The upper reaches of the Shoshone and Greybull Rivers along with the Wind River and Upper Green River Basins are much above average. These areas range from 30% to 76% above average. The Bighorn Mountains are near to slightly above average in snow depths. The most striking change occurred in the Black Hills where the snowpack went from 30% above average at the first of March to about 10% below average by the first of April. The low elevation or valley snowpack throughout most of the state has disappeared. Much of this now melted during the latter part of the month when the state was enjoying record breaking high temperatures. The Lander area had the warmest March ever, breaking the 1910 record.

PRECIPITATION:

Monthly precipitation when compared to normal was about half and half, and varied considerably even within the same drainage basin. Amounts of one and one-fourth to one and one-half inches were confined to the extreme western border and western Bighorn Mountains slopes. The 2.0 inches of water equivalent from Lake Yellowstone in the Yellowstone Drainage was the greatest amount received. Amounts around one-inch occurred at Sheridan in the Tongue Drainage, Cody in the Big Horn Drainage, Bates Creek in the Upper North Platte Drainage and Torrington in the Lower North Platte Drainage. Elsewhere, amounts were mostly one-fourth to one-half inches of water equivalent, with only a few stations receiving less than one-fourth of an inch. The least report of

five-hundredths of an inch occurred around Glenrock in the Lower North Platte Drainage. The below normal March precipitation in the Snake Drainage dropped seasonal comparisons to only 25% to 50% above normal. Other seasonal comparisons show the extreme western border areas 25% to 75% above normal. Other areas were near normal to around 30% above normal.

RESERVOIRS:

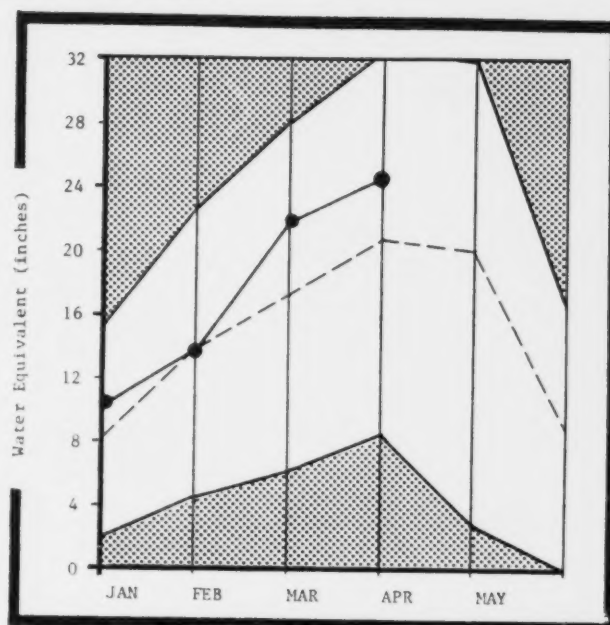
Storage in the major reservoirs in the state continues to be on the bright side. Nearly all of the reporting reservoirs show current storage greater than the long term average. Major exceptions remain Jackson Lake and Fontenelle Reservoir which are low due to anticipated construction. Reservoir storage is about 20% above normal for the major reservoirs.

STREAMFLOW:

Predicted streamflow in most of the state show that water users should have enough water to meet their needs this spring and summer. The lone exceptions are the Deer Creek and LaPrele Creek drainages in the east-central part of the state. These tributaries to the North Platte River are forecast to flow only 60% of average. The Wind River Basin, Big Sandy, Sweetwater and upper Laramie Rivers are still being forecast at much above average. These drainages range from 32% to 44% above average. Water users along the streams in the Big Horn Mountains, Black Hills, and in the Clarks Fork and upper Yellowstone drainages can expect near normal flows. For the remainder of the state, flows are forecast to be from 10% to 30% above normal. These forecasts are dependent upon average snowfall accumulations for the remaining portion of the snow season. The forecasts in this bulletin are a result of coordinated activity between the Soil Conservation Service and the National Weather Service in a effort to provide the best possible service to the water user.

SNAKE RIVER BASIN

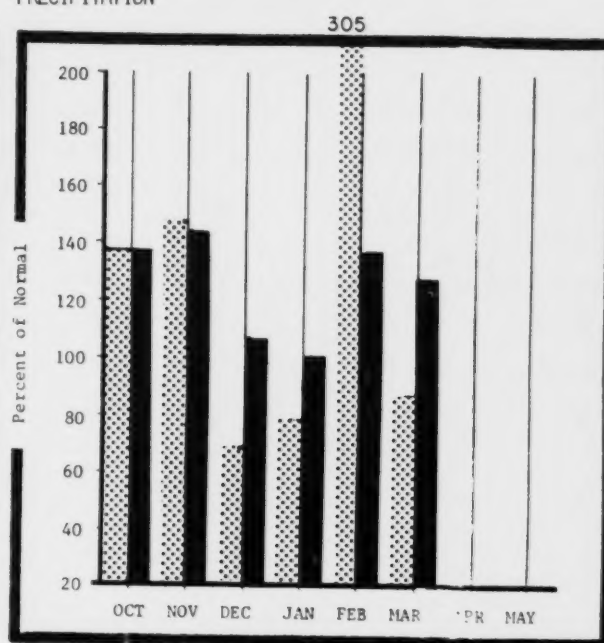
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpack buildup took a slight dip during the month but remains 10% to 30% above average. Forecast streamflow is also 10% to 30% above normal. Precipitation for the month was below normal, but accumulated precipitation for the year is about 28% above average. Water users can look forward to an ample supply of water for the spring and summer.

For more information contact your local Soil Conservation Service office.

SNAKE RIVER BASIN

STREAMFLOW FORECASTS

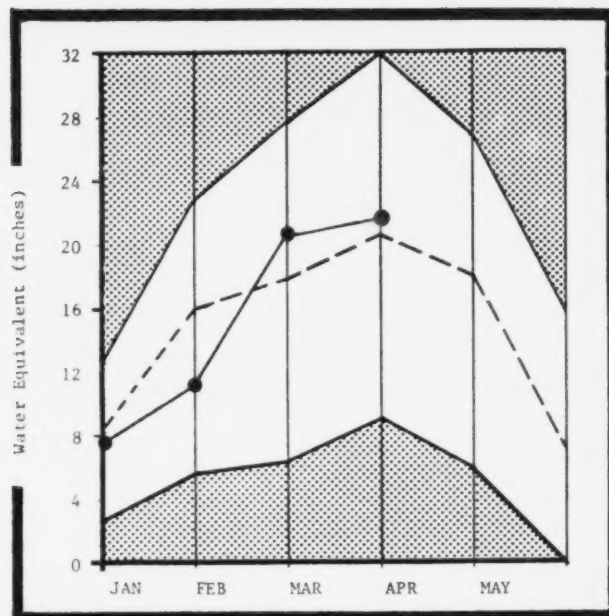
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SNAKE RIVER near Moran *	APR-SEP	880.0	1030.0	117	130	104				
SNAKE RIVER above Palisades *	APR-SEP	2730.0	3165.0	115	129	103				
SNAKE RIVER at Heise, ID *	APR-SEP	4066.0	4820.0	118	139	99				
PACIFIC CREEK at Moran	APR-SEP	174.0	210.0	120	141	101				
GREYS RIVER above Palisades	APR-SEP	393.0	485.0	123	144	103				
SALT RIVER near Etna	APR-SEP	394.0	490.0	124	152	90				
PALISADES RESERVOIR Inflow *	APR-SEP	3793.0	4500.0	118	132	106				
SHIFT CREEK near Afton	MAY-SEP	46.0	42.5	92	113	72				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
GRASSY LAKE	15.1	13.5	13.3	10.6	SNAKE above JACKSON LAKE	8	125	117
JACKSON LAKE	624.4	119.6	217.4	545.3	PACIFIC CREEK	2	139	125
PALISADES	1200.0	640.4	914.9	788.9	GROS VENTRE RIVER	4	149	119
					HOBACK RIVER	7	146	127
					GREYS RIVER	4	145	114
					SALT RIVER	5	128	108
					SNAKE above PALISADES	28	137	117

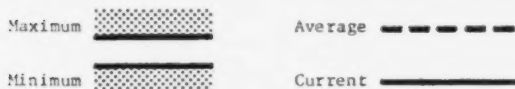
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER YELLOWSTONE AND MADISON RIVER BASINS

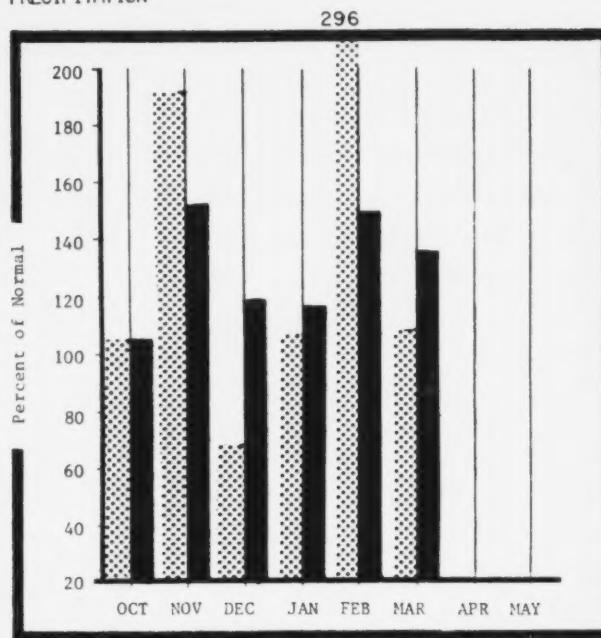
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Water users in these basins in Wyoming can expect near normal streamflows this water year. Snowpack accumulation is near normal to about 30% above normal. Precipitation for March was slightly above normal, however, precipitation for the water year is about 40% above normal. Reservoir storage is below last years' average, but is about 15% ahead of the long term average.

For more information contact your local Soil Conservation Service office.

UPPER YELLOWSTONE and MADISON RIVER BASINS

STREAMFLOW FORECASTS

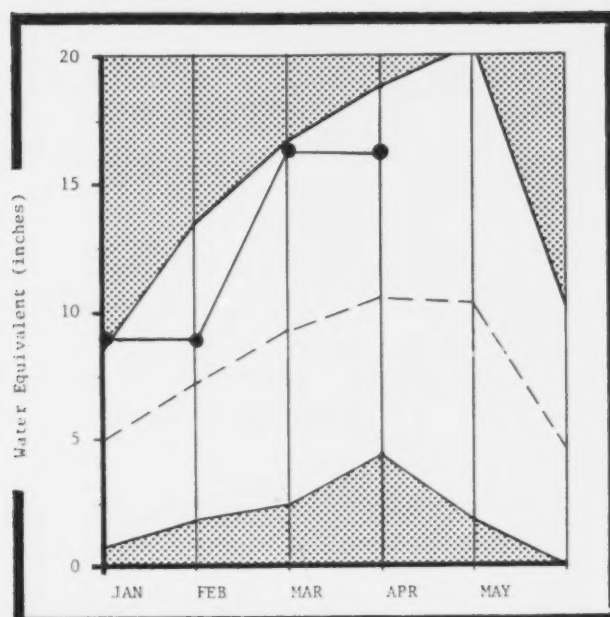
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YELLOWSTONE RIVER at Lake Outlet	APR-SEP	826.0	900.0	108	122	96				
YELLOWSTONE RIVER at Corwin Spgs.	APR-SEP	2027.0	1900.0	93	107	81				
YELLOWSTONE RIVER near Livingston	APR-SEP	2379.0	2190.0	92	105	79				
MADISON RIVER near Grayling, MT *	APR-SEP	496.0	530.0	106	120	94				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
ENNIS LAKE	41.0	31.4	32.3	35.0	UPPER MADISON RIVER	13	121	106
HEDGEN LAKE	378.0	278.5	297.0	233.6	CLARKS FORK	20	128	103
					UPPER YELLOWSTONE RIVER	18	131	108

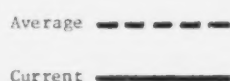
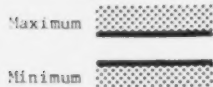
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

WIND RIVER BASIN

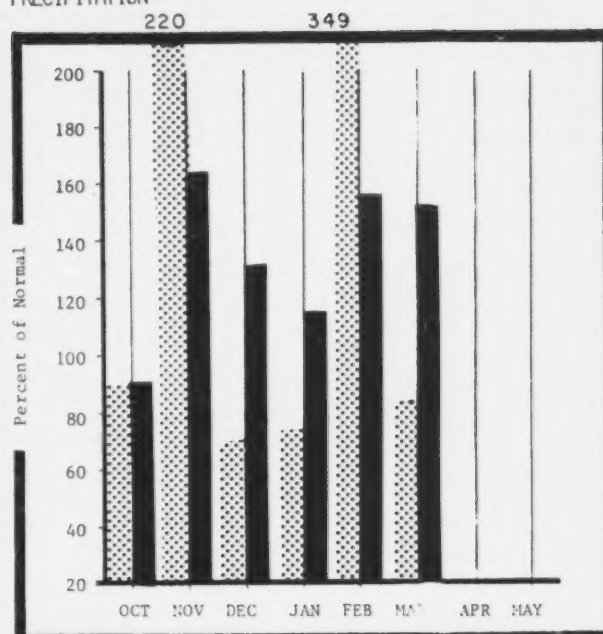
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Forecast streamflow in the basin show water users can expect an abundant amount of water this spring and summer. Flows are anticipated to be 30% to 40% above average. Snowpack throughout the basin is much above average. The Popo Agie drainage is 67% above average. Much of the low elevation snowpack is gone. March precipitation was 18% below normal. Water year precipitation is about 48% above average. Reservoir storage is above the long term average, except for Bull Lake, which is 48% below average.

For more information contact your local Soil Conservation Service office.

WIND RIVER BASIN

STREAMFLOW FORECASTS

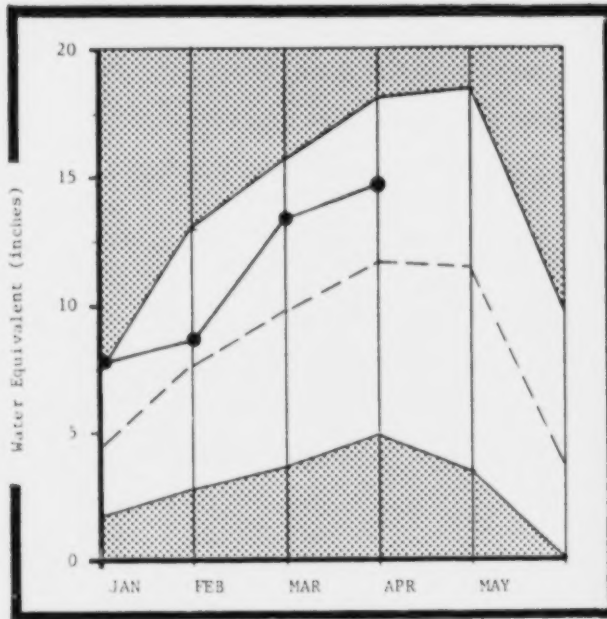
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WIND RIVER near Dubois	APR-SEP	106.0	140.0	132	154	110				
WIND RIVER at Riverton *	APR-SEP	678.0	900.0	132	137	109				
WIND RIVER below Boysen *	APR-SEP	1163.0	1600.0	137	160	116				
BULL LAKE CREEK near Lenore *	APR-SEP	188.0	250.0	132	155	111				
LITTLE POPO AGIE RIVER near Lander	APR-SEP	53.0	74.0	139	166	113				

RESERVOIR STORAGE		(1000AF)			WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
BULL LAKE	151.1	45.9	89.0	88.2	UPPER WIND RIVER	11	177	130
BOYSEN	549.9	553.2	306.1	265.6	WIND above RIVERTON	18	179	133
PILOT BUTTE	31.6	24.9	23.5	19.7	POPO AGIE	5	216	170
					WIND above BOYSEN	23	186	141

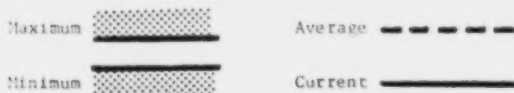
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BIGHORN RIVER BASIN

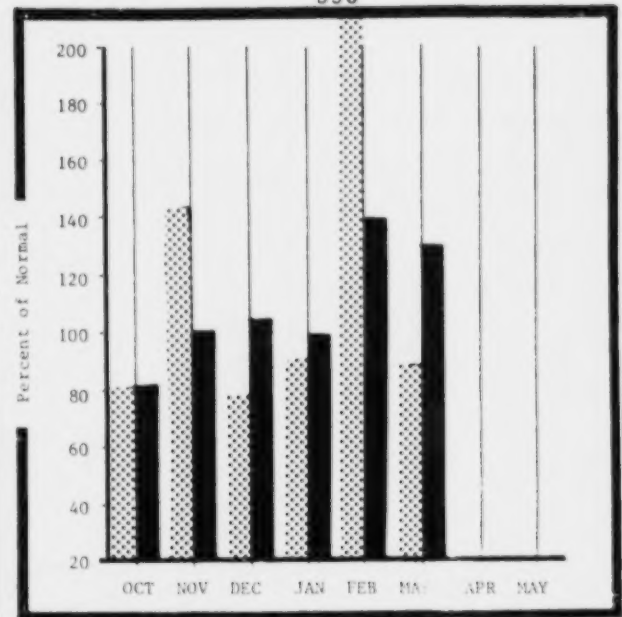
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow forecast for the west part of the basin is expected to be above average, while for the eastern part of the basin it is expected to be near normal. Streamflow for the Clarks Fork drainage is expected to be near or slightly above normal. Snowpack buildup is near or slightly above average. The buildup in the upper reaches of both the Shoshone and Greybull Rivers is much above average. Precipitation amounts for the month were slightly below average, but remain nearly 27% ahead of the long term average.

For more information contact your local Soil Conservation Service office.

BIGHORN RIVER BASIN

STREAMFLOW FORECASTS

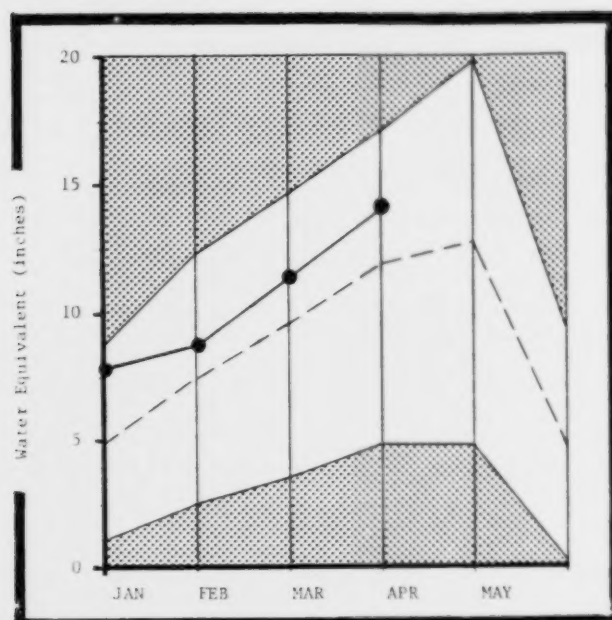
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WIND RIVER below Boysen *	APR-SEP	1163.0	1600.0	137	160	116				
SHELL CREEK near Shell	APR-SEP	78.0	78.0	100	129	79				
GREYBULL RIVER at Meeteetse	APR-SEP	215.0	260.0	120	143	99				
SHOSHONE RIVER b/w Buffalo Bill *	APR-SEP	845.0	1055.0	124	143	107				
CLARK'S FORK near Belfry	APR-SEP	628.0	700.0	111	136	86				
SOUTH FORK SHOSHONE near Valley	APR-SEP	278.0	315.0	113	135	91				
NOWOOD RIVER near Tensleep	MAR-SEP	71.0	78.0	109	132	87				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
BOYSEN	549.9	553.2	306.1	265.6	SHOSHONE RIVER	10	165	130
BUFFALO BILL	373.1	296.1	224.0	153.6	NOWOOD RIVER	5	156	106
BIGHORN LAKE	1356.0	709.6	866.7	607.2	GREYBULL RIVER	4	185	154
					SHELL CREEK	7	135	103
					BIGHORN (Boysen-Bighorn)	33	149	116

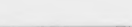
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

POWDER AND TONGUE RIVER BASINS

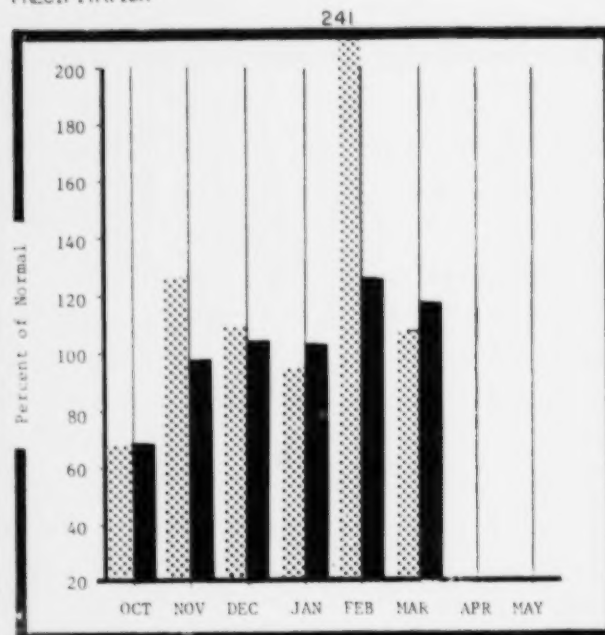
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

The water users can expect near normal streamflows this spring and summer. Snowpack at the higher elevations continues to be about average. Low elevation snowpack has mostly vanished. March precipitation and yearly precipitation is near normal.

For more information contact your local Soil Conservation Service office.

POWDER and TONGUE RIVER BASINS

STREAMFLOW FORECASTS

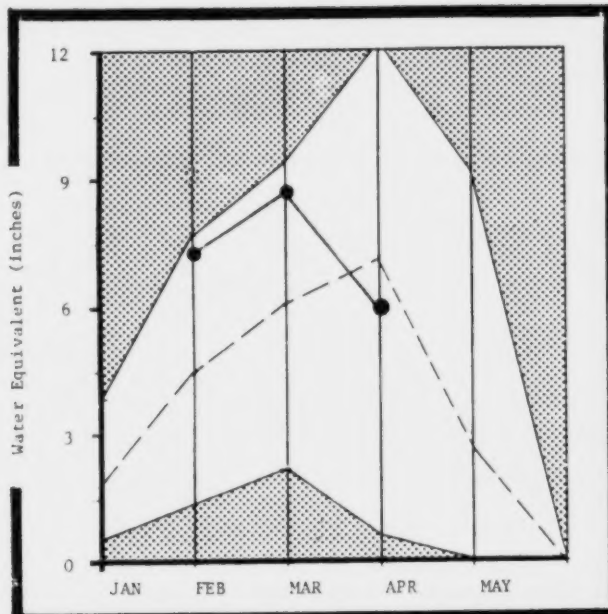
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
TONGUE RIVER near Dayton *	APR-SEP	123.0	130.0	105	131	80				
MIDDLE FORK POWDER near Bannock	APR-SEP	21.6	23.0	106	139	74				
NORTH FORK POWDER near Hazelton	APR-SEP	10.6	11.5	108	142	75				
CLEAR CREEK near Buffalo	APR-SEP	40.0	44.3	110	143	80				
FORK CREEK near Buffalo	APR-SEP	25.4	28.0	110	142	79				
FORK CREEK at Henry	APR-SEP	54.8	60.0	109	142	77				
LITTLE BIGHORN at Hardin, MT	APR-SEP	182.0	207.0	113	171	69				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
TONGUE RIVER	68.0	30.2	18.2	41.6	UPPER TONGUE RIVER	12	136	107
					GOOSE CREEK	6	140	104
					CLEAR CREEK	3	199	131
					CRAZY WOMAN CREEK	3	199	110
					POWDER RIVER	27	147	108

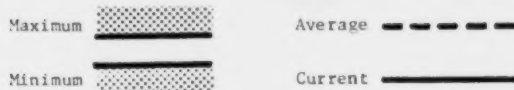
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BELLE FOURCHE AND CHEYENNE RIVER BASINS

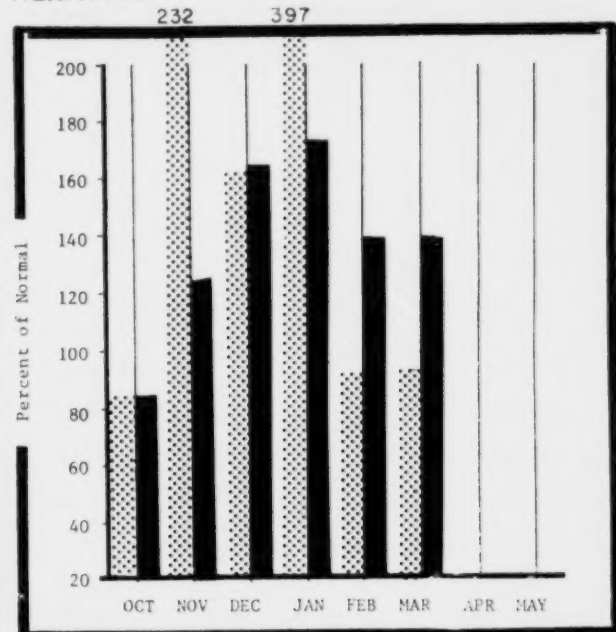
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Snowpack buildup took a steep slide this month. For the first time this year, reports indicate that the snow depth is below average. It is about 15% below normal when compared to the long term average. It is, however, about 27% greater than last year at this time. Precipitation for the month was about 9% below average. Streamflows are expected to be near normal. Reservoir storage is currently above the long term average for most of the reservoirs in the basins.

For more information contact your local Soil Conservation Service office.

BELLE FOURCHE and CHEYENNE RIVER BASINS

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
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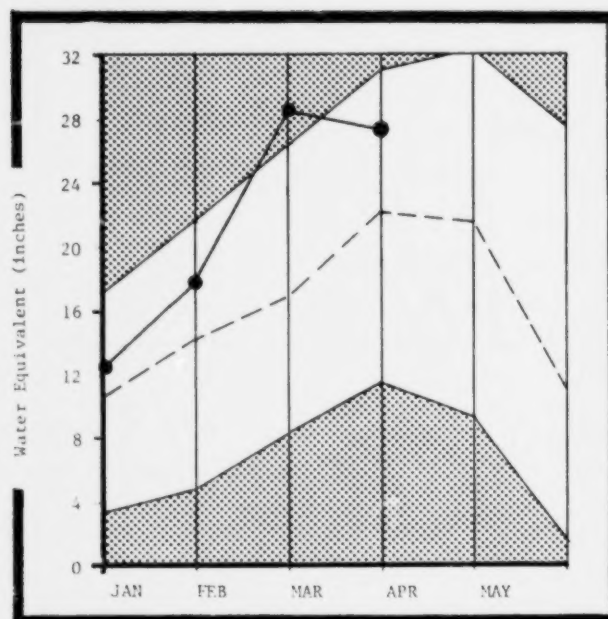
-No forecasts issued in this area-

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
ARCOSTURA	86.2	106.0	62.1	67.5	BELLE FOURCHE	7	127	85
BELLE FOURCHE	185.2	100.6	141.9	132.4				
DEERFIELD	15.1	15.5	14.9	13.5				
KEYHOLE	190.4	164.4	74.4	116.5				
FACTOLA	55.0	46.4	54.3	47.3				
SHADEHILL	81.5	142.7	79.5	62.4				

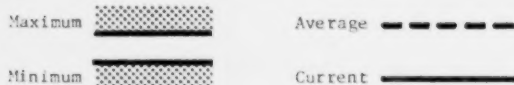
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS

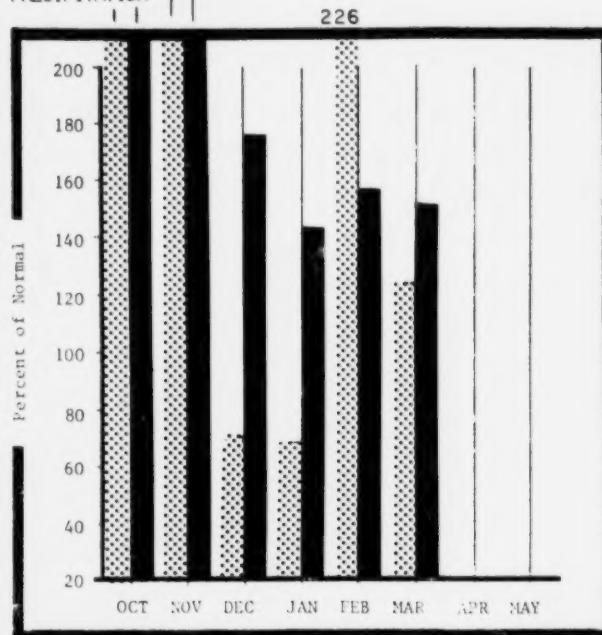
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow forecasts for both the Upper North Platte and Little Snake River Basins show that flows are expected to be about 20% above normal. Snowpack accumulation is also about 20% above normal. March precipitation was nearly 22% above average, with total precipitation for the year being about 54% above average. Reservoir storage is above the long term average, but is about 20% below last year at this time.

For more information contact your local Soil Conservation Service office.

UPPER NORTH PLATTE and LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

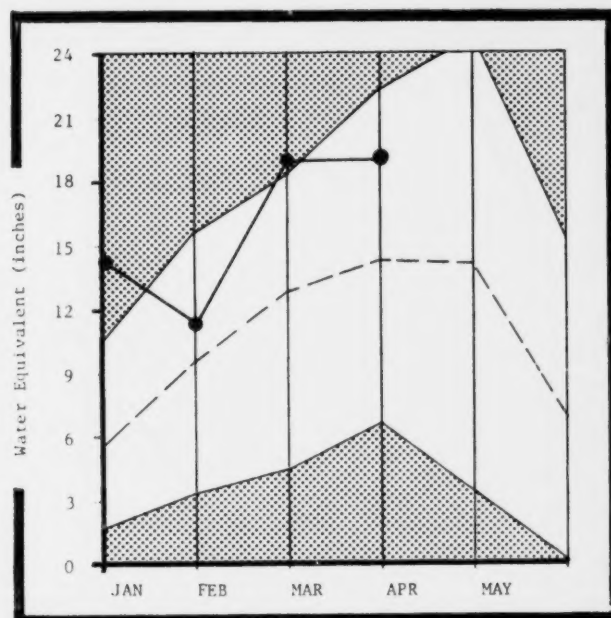
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Northgate	APR-SEP	262.0	330.0	125	140	104				
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	888.0	125	153	94				
ENCAMPMENT RIVER near Encampment	APR-SEP	156.0	195.0	125	147	103				
ROCK CREEK near Arlington	APR-SEP	57.6	70.0	121	144	99				
LITTLE SNAKE RIVER near Dixon *	APR-SEP	320.0	390.0	121	150	94				
LITTLE SNAKE near Slater, CO *	APR-SEP	158.0	195.0	123	151	96				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
SEMINOE	1017.3	518.2	817.0	324.7	UPPER NORTH PLATTE	13	138	119
					ENCAMPMENT RIVER	3	133	127
					BRUSH CREEK	3	148	121
					MEDICINE BOW & ROCK CREEK	3	133	115
					N. PLATTE above SEMINOE	20	147	125
					UPPER LITTLE SNAKE RIVER	2	113	99
					SAVERY CREEK	2	123	118

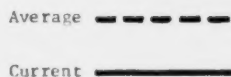
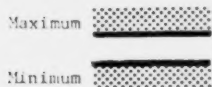
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE RIVER BASINS

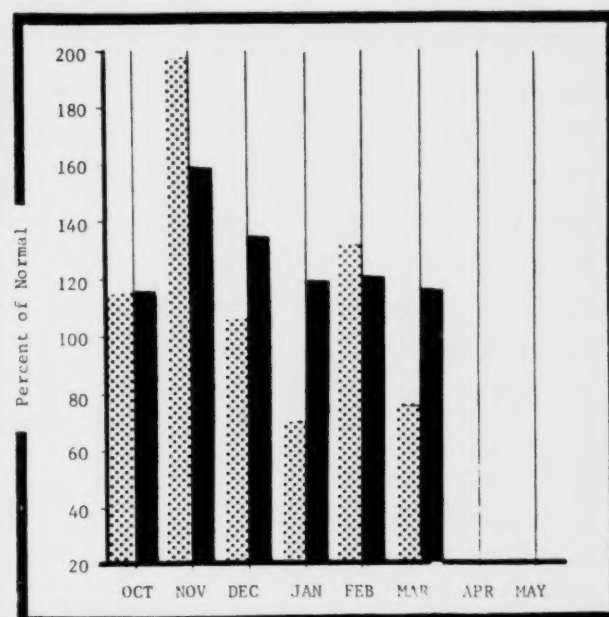
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Anticipated streamflows in these basins vary as much as any in the state. Flows in the Sweetwater and upper reaches of the Laramie Rivers are expected to be much above average, with the Sweetwater drainage being as much as 96% above average. Most of the remaining areas in the basins are expected to be above average, except for the Deer Creek and LaPrele Creek drainages which are expected to be about 40% below average. Snowpack buildup varies similarly. Precipitation was about 12% below normal for March.

For more information contact your local Soil Conservation Service office.

LOWER NORTH PLATTE, SWEETWATER, and LARAMIE RIVER BASINS

STREAMFLOW FORECASTS

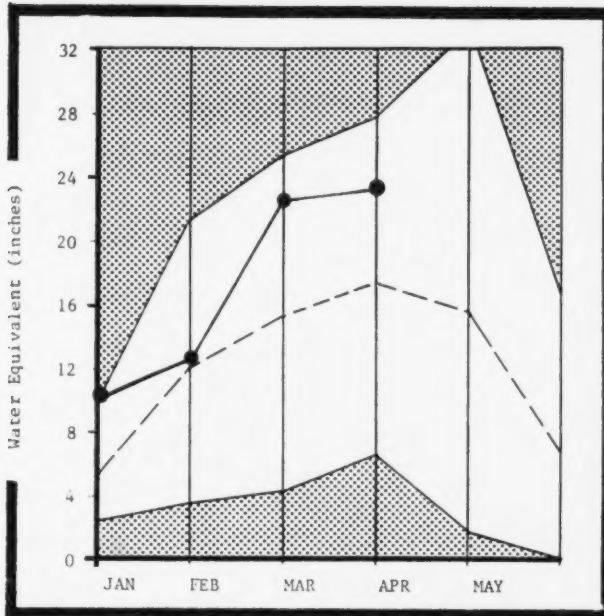
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NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	888.0	125	153	94				
SWEETWATER RIVER near Alcova	APR-SEP	73.7	145.0	196	285	145				
DEER CREEK at Glenrock	APR-SEP	51.8	32.0	61	106	19				
LaPRELE CREEK above Reservoir	APR-SEP	33.7	20.5	60	104	18				
NORTH PLATTE RIVER blw Glendo *	APR-SEP	973.0	1143.0	117	156	83				
NORTH PLATTE R. blw Guernsey *	APR-SEP	1001.0	1289.0	119	158	84				
LARAMIE RIVER near Woods *	APR-SEP	132.0	175.0	132	158	107				
LITTLE LARAMIE RIVER near Filmore	APR-SEP	65.1	76.7	117	144	92				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	USEABLE STORAGE LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	AS % OF AVERAGE
ALCOVA	184.3	180.2	155.2	180.8	SWEETWATER	4	238	176
GLENDO	789.4	487.9	369.0	423.0	DEER & LaPRELE CREEKS	2	117	89
GUERNSEY	45.6	30.0	31.9	22.4	N. PLATTE above LARAMIE	14	134	112
FATHFINDER	1016.5	839.7	883.8	575.3	LITTLE LARAMIE RIVER	4	156	110
SEMINDE	1017.3	518.2	817.0	324.7	UPPER LARAMIE RIVER	8	159	132
WHEATLAND #2	98.9	80.0	83.0	54.9	LARAMIE RIVER above MOUTH	15	154	119
NORTH PLATTE PROJ	1062.1	777.1	1110.4	776.6	NORTH PLATTE in WYOMING	51	147	124
KENDRICK PROJECT	1201.7	1102.8	967.8	746.6				
GLENDO PROJECT USERS	183.2	178.8	66.5	142.7				

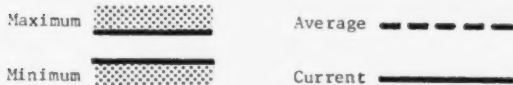
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER GREEN RIVER BASIN

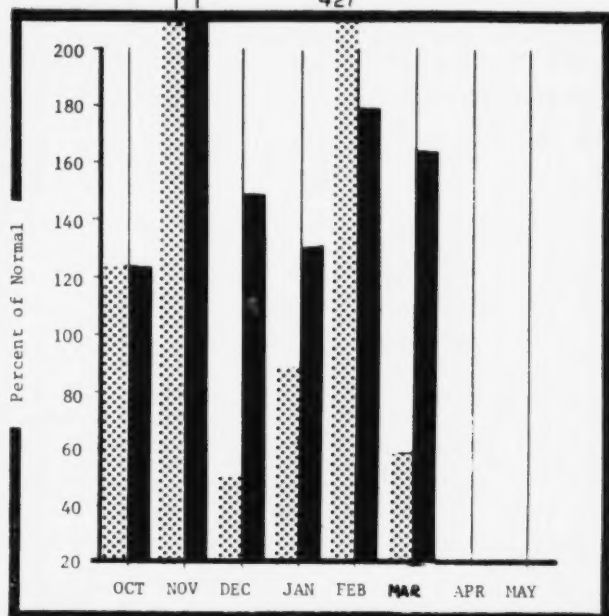
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflows are forecast to be above average, with the Big Sandy drainage being about 44% above. Snowpack accumulation for the most part is much above average, varying from 28% to 55% above normal. March precipitation was much below the average expected. It was only 59% of normal. Yearly precipitation remains much above average at nearly 62% above normal.

For more information contact your local Soil Conservation Service office.

UPPER GREEN RIVER BASIN

STREAMFLOW FORECASTS

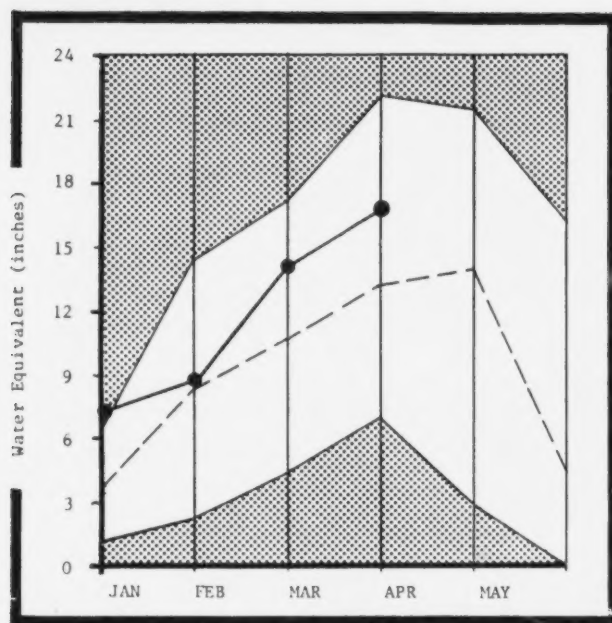
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GREEN RIVER near Warren Bridge	APR-SEP	326.0	420.0	128	144	114				
FONTEHELLE RESERVOIR Inflow	APR-JUL	869.0	1200.0	138	154	121				
LaBARGE CREEK at LaBarge Meadows	APR-SEP	8.9	10.8	121	146	101				
BIG SANDY RIVER near Big Sandy	APR-SEP	61.0	88.0	144	166	123	1200			

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
BIG SANDY	38.3	25.0	24.2	18.5	GREEN above WARREN BRIDGE	4	201	140
EDEN	11.8	3.3	---	3.0	UPPER GREEN (West Side)	7	166	132
FLAMING GORGE	3749.0	2913.3	2987.3	---	NEWFORK LAKE	3	221	145
FONTEHELLE	344.8	37.4	156.4	152.1	BIG SANDY/EDEN VALLEY	2	194	155
					GREEN above FONTEHELLE	12	179	135

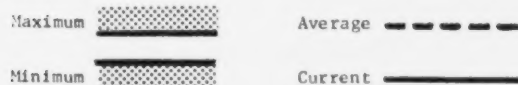
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER GREEN RIVER BASIN

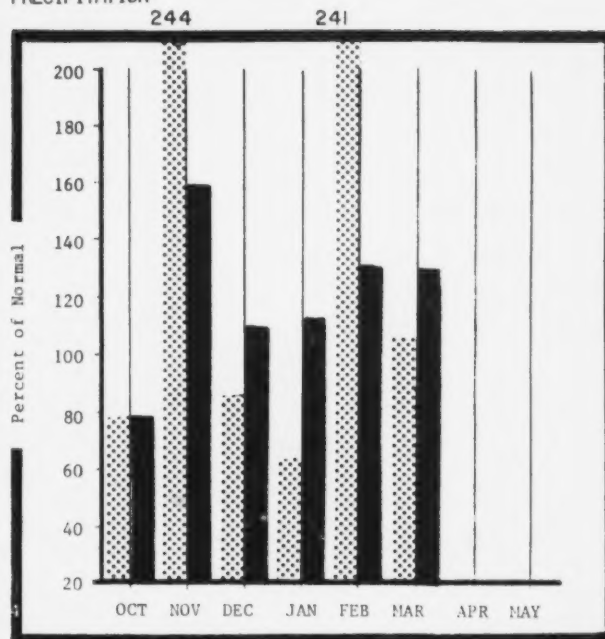
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Water users in this basin can expect near normal to slightly above normal streamflows this spring and summer. Flows are forecast to be between 18% and 34% above average. Snowpack accumulation also is near to slightly above normal. March precipitation was slightly above normal, with the yearly precipitation showing it is about 29% above normal.

For more information contact your local Soil Conservation Service office.

LOWER GREEN RIVER BASIN

STREAMFLOW FORECASTS

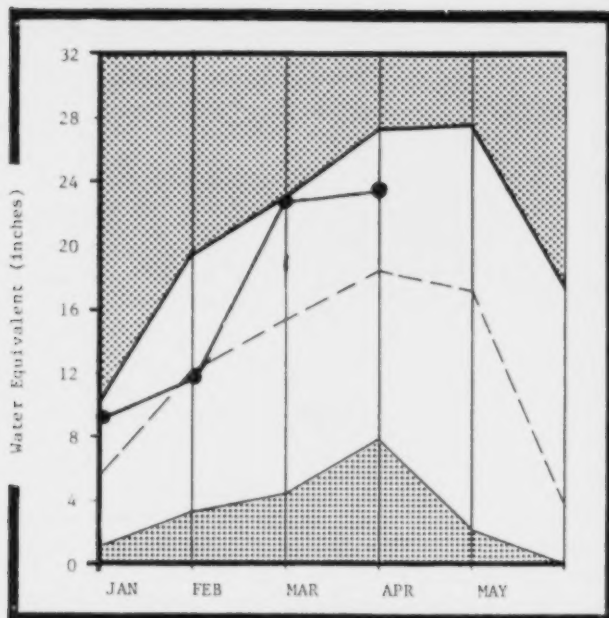
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1200.0	138	154	121				
HAMS FORK near Frontier	APR-SEP	71.3	90.0	126	147	105				
GREEN RIVER near Green River, WY *	APR-SEP	1079.0	1450.0	134	154	114				
BLACKS FORK near Milburne, UT	APR-JUL	89.9	114.0	126	160	99				
HENRYS FORK near Manila, UT	APR-SEP	48.0	59.0	122	160	96				
FLAMING GORGE Inflow *	APR-JUL	1248.0	1800.0	144	165	125				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
FONTENELLE	344.8	37.4	156.4	152.1	HAMS FORK RIVER	3	184	141
FLAMING GORGE	3749.0	2913.3	2987.3	---	BLACKS FORK	4	130	115
VIVA NAUGHTON RES	42.4	10.6	25.9	26.1	HENRYS FORK	2	127	137
					GREEN above FLAMING GORGE	14	182	136

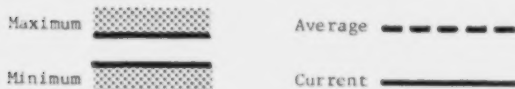
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER BEAR RIVER BASIN

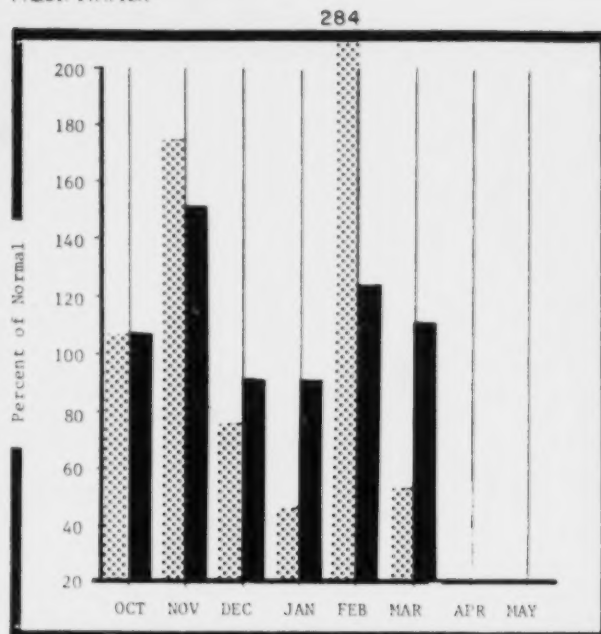
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow prospects for this basin are good. Water users can expect above average streamflows this year. Forecast points show flows to be from 25% to 81% above average. Snowpack accumulation varies from 7% to 43% above normal. March precipitation was about 44% below normal, but for the year precipitation amounts are still slightly above average.

For more information contact your local Soil Conservation Service office.

UPPER BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SMITHS FORK near Border	APR-SEP	119.0	151.0	126	149	105				
THOMAS FORK near State line	APR-SEP	35.1	48.0	136	140	114				
BEAR RIVER at Utah-Wyoming line	APR-JUL	110.0	140.0	127	145	111				
BEAR RIVER near Woodruff, UT	APR-JUL	139.0	175.0	125	156	98				
BEAR RIVER near Randolph, UT	APR-JUL	110.0	200.0	181	234	130				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
WOODRUFF NARROWS	55.8	55.8	56.5		UPPER BEAR RIVER	3	116	107
					SMITHS & THOMAS FORK'S	3	183	143
					BEAR RIVER abv IDAHO line	10	154	128

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

THE FOLLOWING ORGANIZATIONS COOPERATE
WITH THE SOIL CONSERVATION SERVICE
IN SNOW SURVEY WORK

State

Conservation Districts of Wyoming
State Engineer of Wyoming
Department of Water Resources of Nebraska
Irrigation Districts of Wyoming
University of Wyoming
 Department of Atmospheric Resources
 Department of Agricultural Engineering

Federal

U.S. Department of Agriculture
 Soil Conservation Service
 Forest Service

U.S. Department of Commerce
 NOAA, National Weather Service

U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs
 Bureau of Land Management

Private

Utah Power and Light Company
Eden Valley Irrigation District

Other organizations and individuals furnish information for the
snow survey reports. Their cooperation is gratefully acknowledged.

986/5



United States
Department of
Agriculture

Soil
Conservation
Service

Casper,
Wyoming



Wyoming Water Supply Outlook

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Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado (New Mexico)	2490 West 26th Ave., Denver, CO 80211
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	50 South Virginia Street, Third Floor, Reno, NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82602

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.

Wyoming

Water Supply Outlook and

Federal-State-Private Cooperative Snow Surveys

Issued by

Wilson Scaling
Chief
Soil Conservation Service
Washington, D.C.

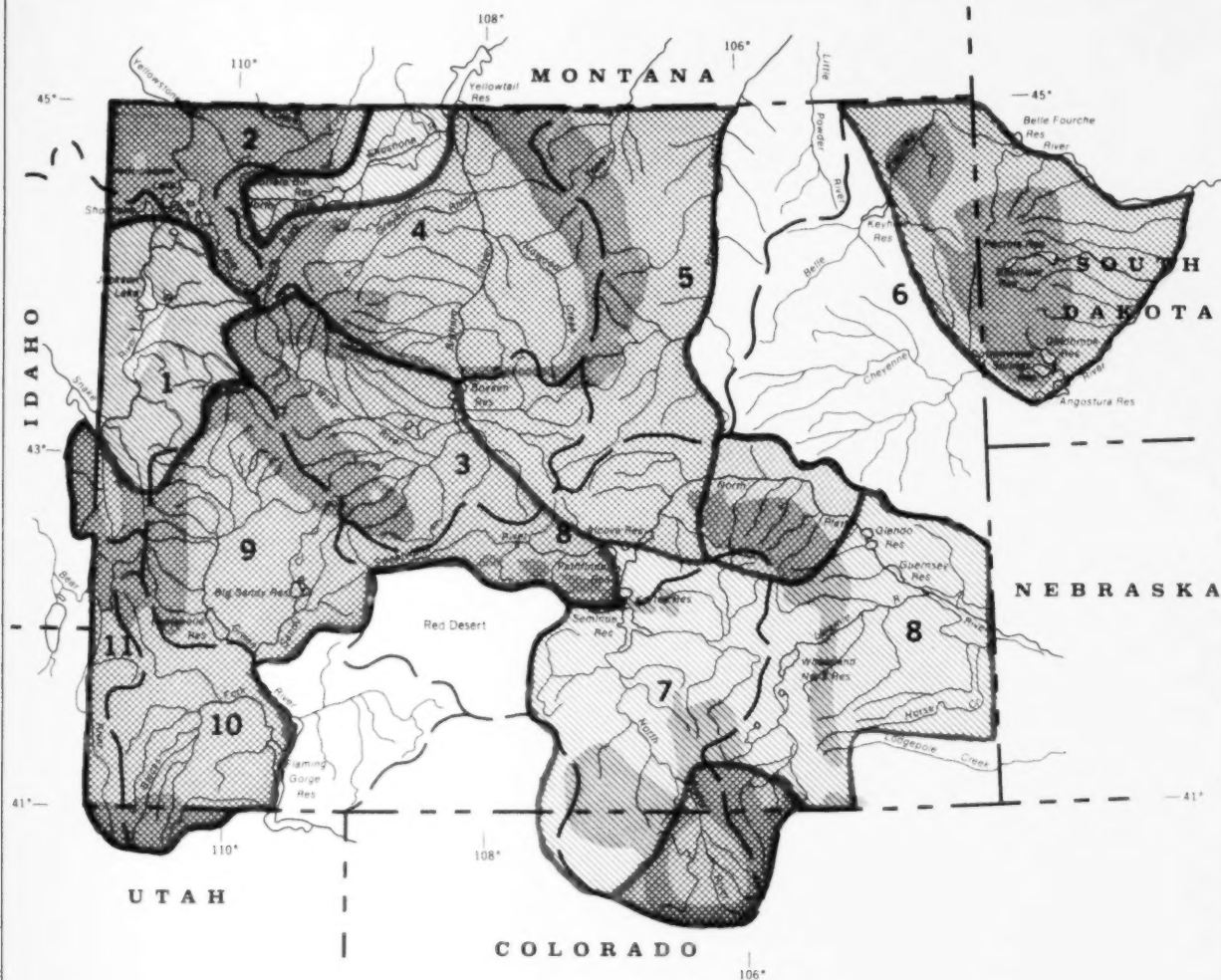
Released by

Frank S. Dickson
State Conservationist
Soil Conservation Service
Casper, Wyoming

Prepared by

Ted Gilbert
Acting Water Supply Specialist
Soil Conservation Service
Room 3124, 100 East B Street
Casper, Wyoming 82601

Programs and assistance of the United States Department of Agriculture are available without regard to race, creed, color, sex, age, or national origin.



SOURCE: Data compiled by SCS
 Field Personnel.

USDA SCS FORT WORTH, TEXAS 1985

JULY 1985 4-R-39346

FORMERLY 7-L-22029G

GENERAL OUTLOOK

SUMMARY:

WATER SUPPLYS TO MEET USERS NEEDS SHOULD BE ADEQUATE THIS SPRING AND SUMMER THROUGHOUT WYOMING. ONLY DEER AND LaPRELE CREEKS WILL EXPERIENCE BELOW NORMAL FLOWS. HIGH ELEVATION SNOWPACK OVER MUCH OF THE STATE IS ABOVE AVERAGE. RESERVOIR STORAGE IS LESS THAN AT THIS TIME LAST YEAR, BUT IS SLIGHTLY ABOVE AVERAGE. APRIL PRECIPITATION FOR MOST OF THE REPORTING STATIONS WAS ABOVE AVERAGE.

SNOWPACK:

Snowpack buildup throughout the state remains near average to much above average. Noted exceptions are the northeast facing mountains of the Laramie Mountains along the Deer Creek, Boxelder Creek and LaPrele Creek drainages, the upper portions of Crazy Woman Creek drainage on the east face of the Big Horns, and the Nowood River drainage on the west slopes of the Big Horns. These drainages average only about 83% to 89% of the usual snowpack accumulation. The upper Green River, Wind River and upper Laramie River drainages continue to be much above average, with some snow courses being as much as 79% above average. Some melting is starting to take place at some of the intermediate elevations. For the most part, snow at the lower elevation courses (7500 feet and below) is gone.

PRECIPITATION:

April is normally one of the heaviest snowfall months in Wyoming. Several large snowstorms did occur in a few areas.

Along the southwest corner north to Alta in the Green, Bear and Snake drainages, one-half to two-thirds of the days had precipitation. The snowstorm on the 12th dumped 10" at Bedford. Monthly averages were 50% to 200% above normal. The northwest corner was normal.

Low elevation precipitation in central areas was normal to 50% below normal, since snowfall totals were about one-half of normal. However, Dubois in the Wind River drainage was the exception (+170%) since a storm on the 9th dumped 10".

Monthly averages in the east were 50% to 150% above normal. In the northeast near Alta the greatest of water equivalent (5.58") occurred. In the southeast

a blizzard on the 3rd left about 15" of new snow at Albin.

Seasonal comparisons remained mostly above normal. The Green and Bear drainages were 50% to 100% above normal. Central and northwest areas were normal to 25% above normal, while the eastern part of the state was around 50% above normal.

RESERVOIRS:

Storage in major reservoirs is about 10% less than at this time last year, but is nearly 3% more than average. Current stored capacity statewide is about 57% of the total available. Several of the larger reservoirs have been drawn down in anticipation of above average snowmelt runoff.

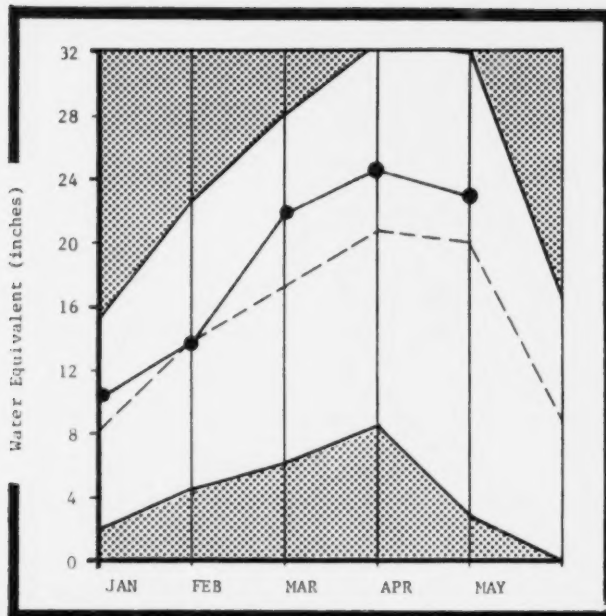
STREAMFLOW:

Streamflow prospects for spring and summer remain very bright for most of the state. Only Deer Creek and La Prele Creek, tributaries to the North Platte River in east-central Wyoming, are forecast to be less than average. These drainages are predicted to be only about 60% to 65% of normal. The Bear River, Green River, Wind River, upper North Platte River and upper Laramie River drainages are forecast to be much above average. These drainages are expected to be from 30% to nearly 100% above normal. The remainder of the streams in the state are forecast to be between 5% to 30% above normal. At this point water users should have adequate supplies this year.

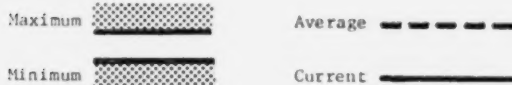
These forecasts are dependent upon average snowfall accumulations for the remaining portion of the snow season. The forecasts in this bulletin are a result of coordinated activity between the Soil Conservation Service and the National Weather Service in an effort to provide the best possible service to the water user.

SNAKE RIVER BASIN

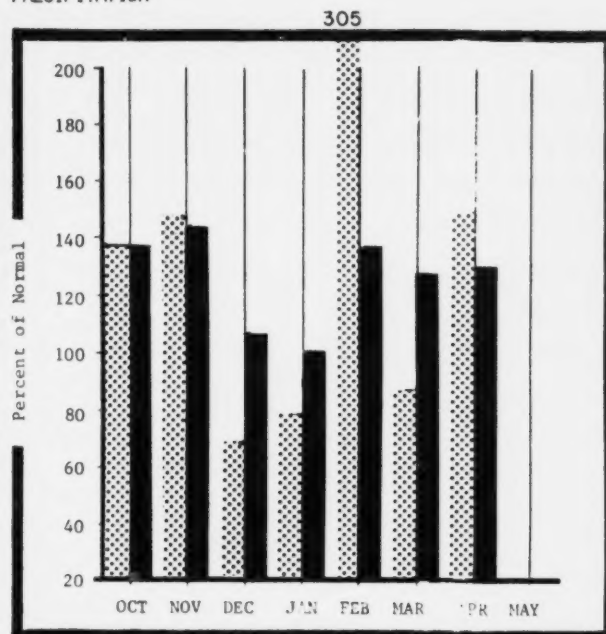
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow forecasts for this basin show that users can expect flows to be 12% to 20% above normal. Snowpack accumulation at the high elevations is nearly 22% above average, and nearly 81% above last year. Reservoir storage is only 48% of average mainly because of storage restrictions due to construction on Jackson Lake Dam. April precipitation was about 50% above normal, with the water year to date accumulation being 31% above normal.

For more information contact your local Soil Conservation Service office.

SNAKE RIVER BASIN

STREAMFLOW FORECASTS

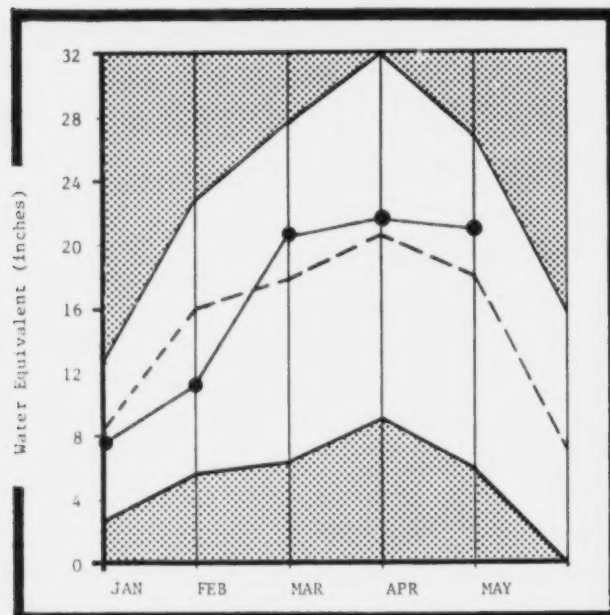
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SNAKE RIVER near Moran *	APR-SEP	880.0	1000.0	113	123	105				
SNAKE RIVER above Palisades *	APR-SEP	2730.0	3170.0	116	125	107				
SNAKE RIVER at Heise, ID *	APR-SEP	4066.0	5010.0	123	133	113				
PACIFIC CREEK at Moran	APR-SEP	174.0	210.0	120	139	103				
GREYS RIVER above Palisades	APR-SEP	393.0	510.0	129	148	112				
SALT RIVER near Etna	APR-SEP	394.0	515.0	130	158	97				
PALISADES RESERVOIR Inflow *	APR-SEP	3793.0	4540.0	119	129	111				
SWIFT CREEK near Afton	MAY-SEP	46.0	46.0	100	117	83				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE LAST YEAR	USEABLE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
GRASSY LAKE	15.1	14.0	13.6	11.0	SNAKE above JACKSON LAKE	2	141	114
JACKSON LAKE	624.4	93.9	75.2	317.6	PACIFIC CREEK	0	0	0
PALISADES	1200.0	495.3	1147.6	718.5	GROS VENTRE RIVER	3	204	128
					HOBACK RIVER	6	184	131
					GREYS RIVER	2	189	122
					SALT RIVER	4	402	124
					SNAKE above PALISADES	14	184	120

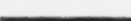
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER YELLOWSTONE AND MADISON RIVER BASINS

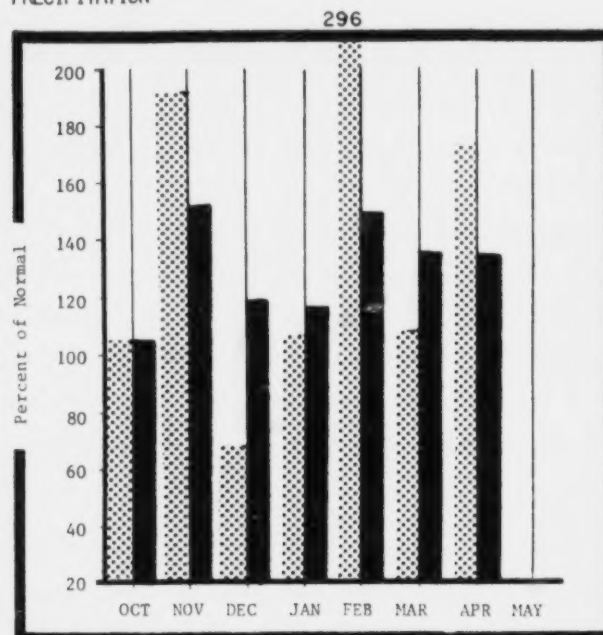
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack accumulation in the basin is slightly above average, however, it is about 52% greater than last year. Streamflows are forecast to be nearly normal. Reservoir capacity is about 77% of total available capacity, and is nearly 21% above normal. Precipitation during the month was 75% above average.

For more information contact your local Soil Conservation Service office.

UPPER YELLOWSTONE and MADISON RIVER BASINS

STREAMFLOW FORECASTS

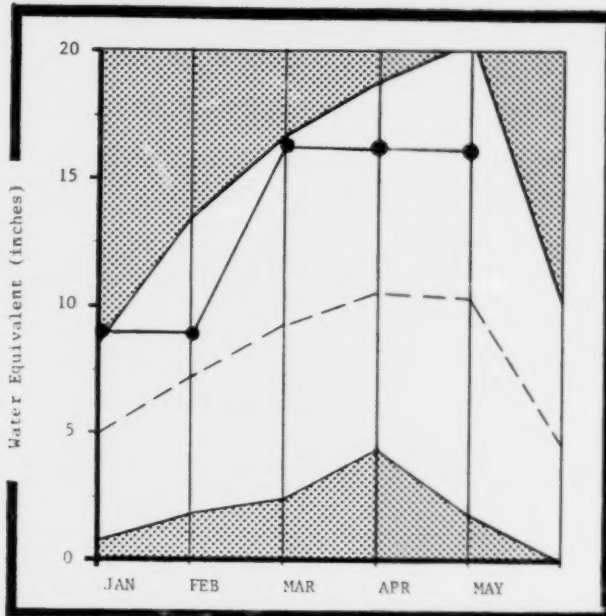
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
YELLOWSTONE RIVER at Lake Outlet	APR-SEP	826.0	900.0	108	121	97				
YELLOWSTONE RIVER at Corwin Spgs.	MAY-SEP	1944.0	1820.0	93	106	82				
YELLOWSTONE RIVER near Livingston	MAY-SEP	2269.0	2100.0	92	105	81				
MADISON RIVER near Grayling, MT *	MAY-SEP	440.0	470.0	106	119	95				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
ENNIS LAKE	41.0	33.0	30.3	36.3	UPPER MADISON RIVER	9	145	108
HEBGEN LAKE	377.5	289.3	289.6	229.7	CLARKS FORK	20	158	98
					UPPER YELLOWSTONE RIVER	12	179	102

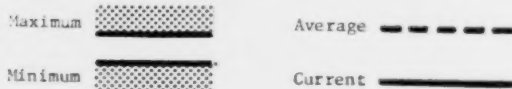
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

WIND RIVER BASIN

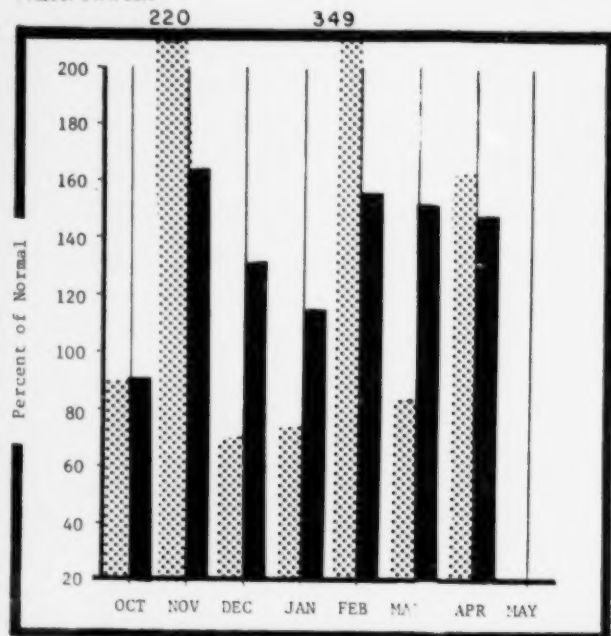
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Water users in this basin can expect streamflows that will be much above average. Flows are forecast to be as much as 41% above normal. Snowpack accumulation continue to be much above normal. Snowcourse reading show that the snowpack is 40% above average, and nearly 134% ahead of last years accumulation. April precipitation was above average by nearly 62%. Reservoir storage currently is 62% above average and nearly 47% greater than last year at this time. Much of the low elevation snow in this basin is gone.

For more information contact your local Soil Conservation Service office.

WIND RIVER BASIN

STREAMFLOW FORECASTS

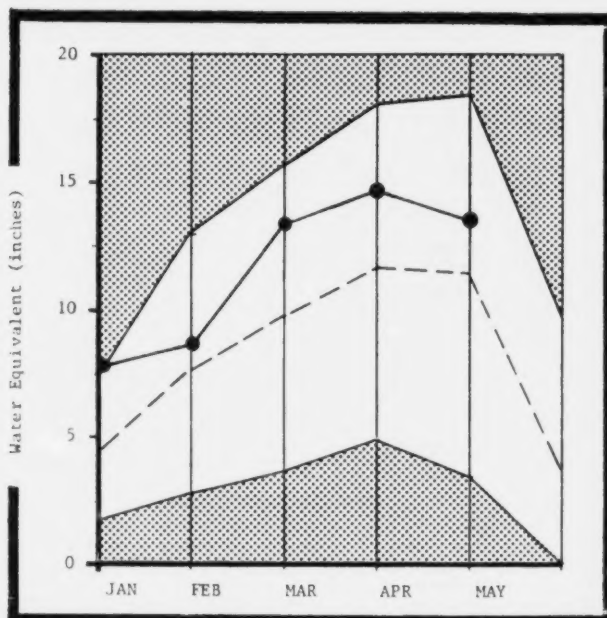
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WIND RIVER near Dubois	APR-SEP	106.0	140.0	132	150	114				
WIND RIVER at Riverton *	APR-SEP	678.0	960.0	141	164	120				
WIND RIVER below Boysen *	APR-SEP	1163.0	1650.0	141	162	122				
BULL LAKE CREEK near Lenore *	APR-SEP	188.0	250.0	132	153	113				
LITTLE POPO AGIE RIVER near Lander	APR-SEP	53.0	75.2	141	166	117				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE LAST YEAR	USEABLE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
BULL LAKE	151.1	52.0	80.1	79.8	UPPER WIND RIVER	11	171	126
BOYSEN	549.9	500.5	291.0	250.1	WIND above RIVERTON	18	209	131
PILOT BUTTE	31.6	25.2	22.0	26.7	POPO AGIE	4	330	141
					WIND above BOYSEN	22	226	133

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BIGHORN RIVER BASIN

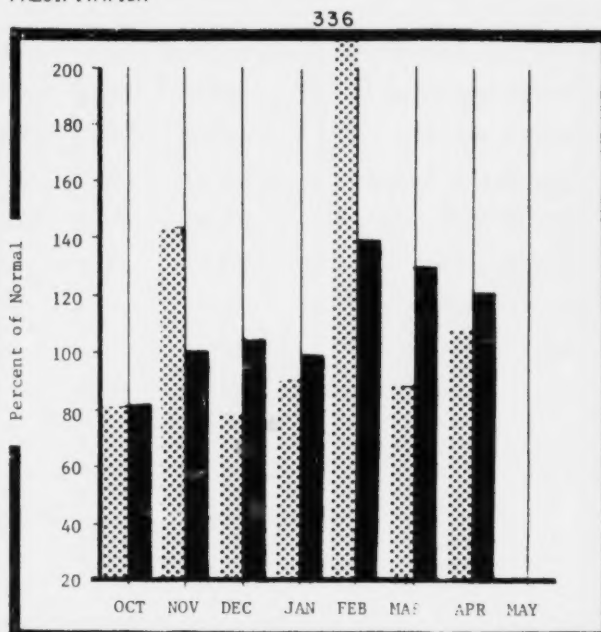
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Streamflow forecasts for this basin are varied. Most of the basin water users can expect near to slightly above average flows. Users along the Shoshone River can expect flows as much as 18% above normal this spring and summer. Nowood River water users can expect below average streamflows. The snowpack is slightly above normal and is considerably greater than last year at this time. Reservoir storage is above average by 48%. April precipitation amounts were about 13% more than normal.

For more information contact your local Soil Conservation Service office.

BIGHORN RIVER BASIN

STREAMFLOW FORECASTS

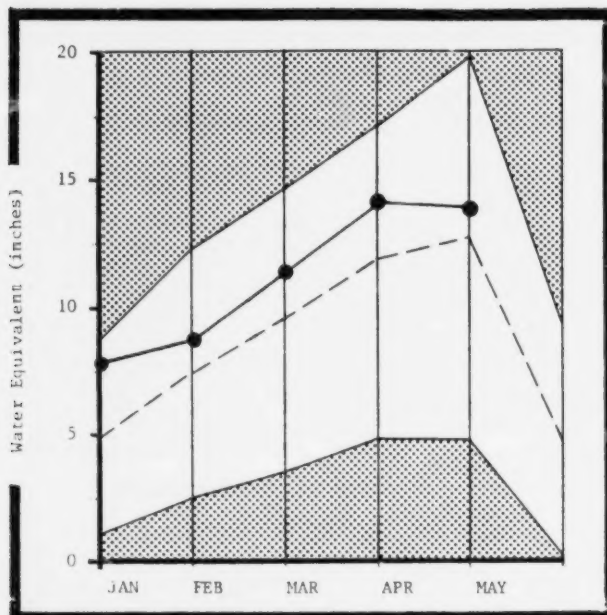
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER below Boysen *	APR-SEP	1163.0	1650.0	141	162	122				
SHELL CREEK near Shell	APR-SEP	78.0	78.0	100	135	76				
GREYBULL RIVER at Meeteetse	APR-SEP	215.0	230.0	106	127	87				
SHOSHONE RIVER blw Buffalo Bill *	APR-SEP	845.0	1000.0	118	136	100				
CLARKS FORK near Belfry	MAY-SEP	606.0	667.0	110	129	91				
SOUTH FORK SHOSHONE near Valley	APR-SEP	278.0	300.0	107	128	88				
NOWOOD RIVER near Tensleep	MAR-SEP	71.0	70.0	98	118	79				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
BOYSEN	549.9	500.5	291.0	250.1	SHOSHONE RIVER	8	445	123
BUFFALO BILL	373.1	293.7	213.0	133.2	NOWOOD RIVER	5	177	89
BIGHORN LAKE	1356.0	709.1	851.8	633.1	GREYBULL RIVER	4	262	129
					SHELL CREEK	7	154	107
					BIGHORN (Boysen-Bighorn)	31	209	112

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

POWDER AND TONGUE RIVER BASINS

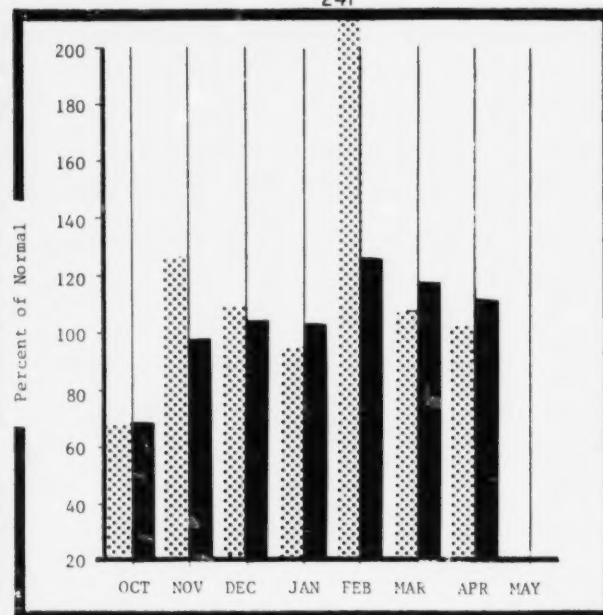
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack accumulation is just slightly above normal. However, when compared to last year, the snowpack is nearly 77% greater. Streamflows will vary between slightly below average to slightly above average. The upper drainage of Crazy Woman Creek is expected to flow about 7% below average, while most of the rest of the basin will be about 5% above average. Storage reservoir amounts are about 29% below average. Precipitation during April was near normal.

For more information contact your local Soil Conservation Service office.

POWDER and TONGUE RIVER BASINS

STREAMFLOW FORECASTS

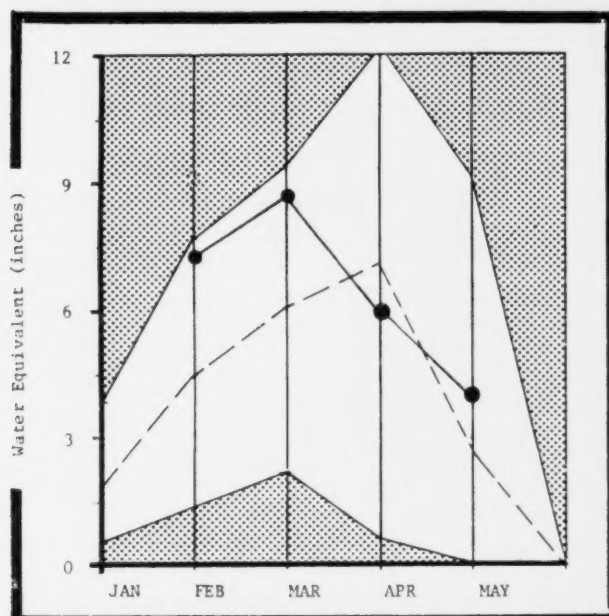
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TONGUE RIVER near Dayton *	APR-SEP	123.0	115.0	93	119	68				
MIDDLE FORK POWDER near Barnum	APR-SEP	21.6	21.5	99	130	69				
NORTH FORK POWDER near Hazelton	APR-SEP	10.6	11.1	104	132	75				
CLEAR CREEK near Buffalo	APR-SEP	40.0	42.5	106	138	78				
ROCK CREEK near Buffalo	APR-SEP	25.4	26.5	104	134	75				
PINEY CREEK at Kearny	APR-SEP	54.8	57.5	104	135	75				
LITTLE BIGHORN at Hardin, MT	MAY-SEP	157.0	213.0	135	194	91				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
TONGUE RIVER	68.0	28.3	36.4	40.0	UPPER TONGUE RIVER	12	160	103
					GOOSE CREEK	6	170	104
					CLEAR CREEK	3	0	114
					CRAZY WOMAN CREEK	3	215	86
					POWDER RIVER	27	166	98

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BELLE FOURCHE AND CHEYENNE RIVER BASINS

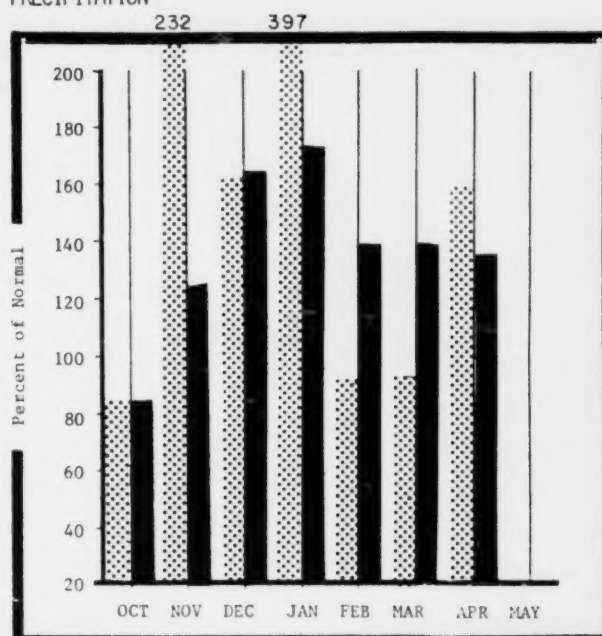
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Water users can expect near normal streamflows this spring and summer. Snowpack accumulation is above normal for the basin. Stored water in the basin is 5% above normal and nearly 15% greater than last year. April precipitation was 60% above average, with the water year to date accumulation being nearly 35% above average.

For more information contact your local Soil Conservation Service office.

BELLE FOURCHE and CHEYENNE RIVER BASINS

STREAMFLOW FORECASTS

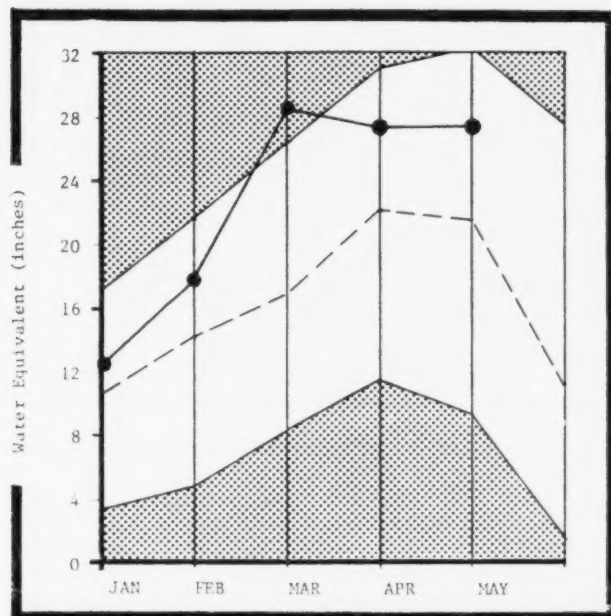
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
-No forecasts issued in this area-										

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
ANGOSTURA	86.2	126.4	63.0	77.0	BELLE FOURCHE	2	0	83
BELLE FOURCHE	185.2	122.2	168.4	157.2				
DEERFIELD	15.1	15.3	15.0	14.7				
KEYHOLE	190.4	67.8	74.5	129.3				
PACTOLA	55.0	49.0	55.0	52.2				
SHADEHILL	81.5	143.4	78.0	66.8				

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS

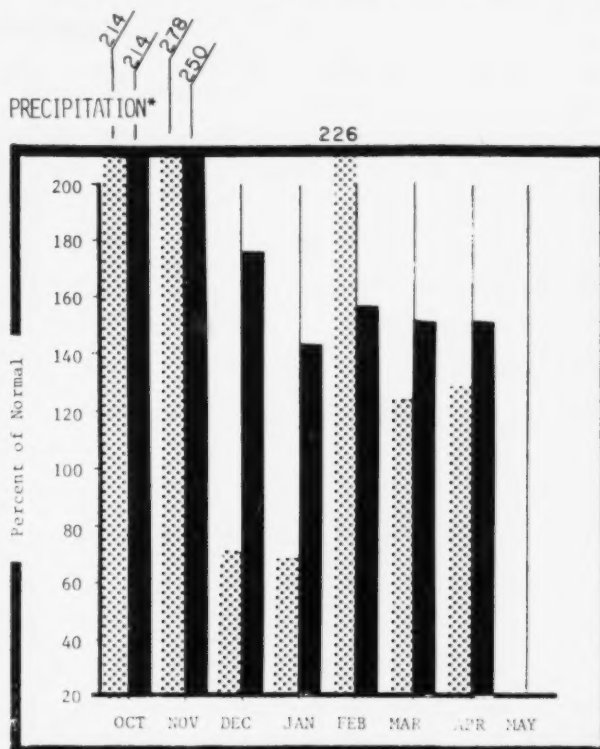
MOUNTAIN SNOWPACK*



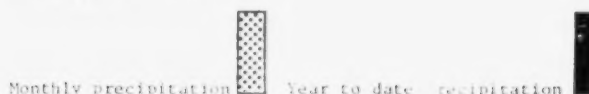
*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow forecasts for the upper North Platte River drainage shows that water users can expect flows to be about 33% above average. The Little Snake River water users can expect flows to be about 20% above average. Snowpack accumulation is about 18% above normal and nearly 27% greater than last year. Precipitation during April was about 29% above average, with the year to date accumulation being 50% above average. Reservoir storage is only about one-half of last year, but is nearly 36% above normal.

For more information contact your local Soil Conservation Service office.

UPPER NORTH PLATTE and LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

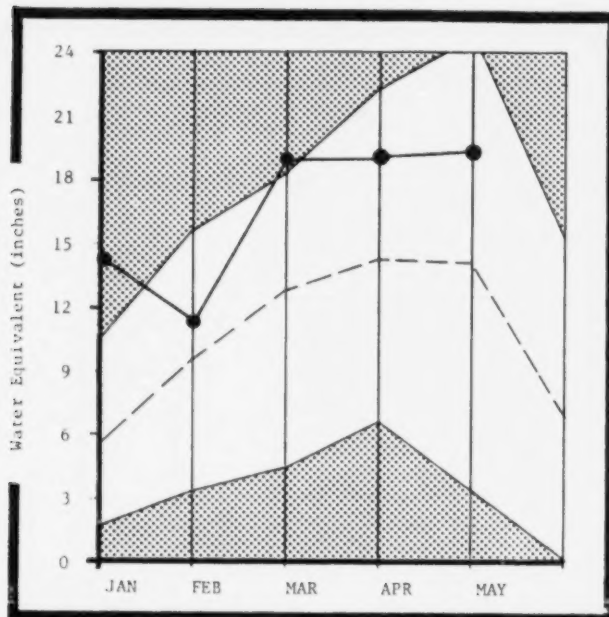
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Northgate	APR-SEP	262.0	350.0	133	153	114				
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	839.0	118	134	108				
ENCAMPMENT RIVER near Encampment	APR-SEP	156.0	200.0	128	148	108				
ROCK CREEK near Arlington	APR-SEP	57.6	73.0	126	148	106				
LITTLE SNAKE RIVER near Dixon *	APR-SEP	320.0	390.0	121	147	97				
LITTLE SNAKE near Slater, CO *	APR-SEP	158.0	205.0	129	155	105				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.0	THIS YEAR AS % OF LAST YR. AVERAGE	
SEMINOE	1017.3	488.5	842.0	358.2	UPPER NORTH PLATTE	13	128	119
					ENCAMPMENT RIVER	3	137	124
					BRUSH CREEK	3	125	117
					MEDICINE BOW & ROCK CREEK	3	132	116
					N. PLATTE above SEMINOE	20	148	125
					UPPER LITTLE SNAKE RIVER	2	109	101
					SAVERY CREEK	2	131	112

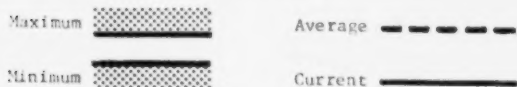
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE RIVER BASINS

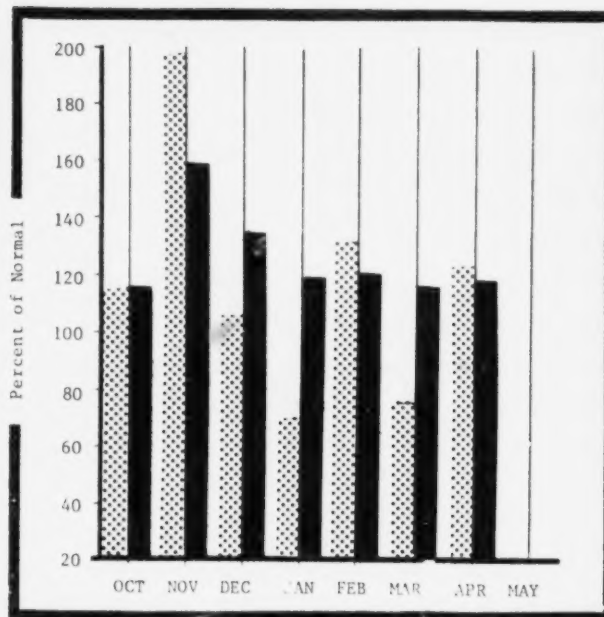
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow forecasts for Deer Creek and LaPrele Creek are the only dark spots on an otherwise bright picture for this basin. These creeks are expected to flow only about 60% of normal this spring and summer. The remainder of the basin is expected to have flows ranging from 20% to 40% above normal. The snowpack is about 29% above average for most of the basin. Storage in basin reservoirs is about the same as last year, and is nearly 27% above average. Precipitation for the month was above normal.

For more information contact your local Soil Conservation Service office.

LOWER NORTH PLATTE, SWEETWATER, and LARAMIE RIVER BASINS

STREAMFLOW FORECASTS

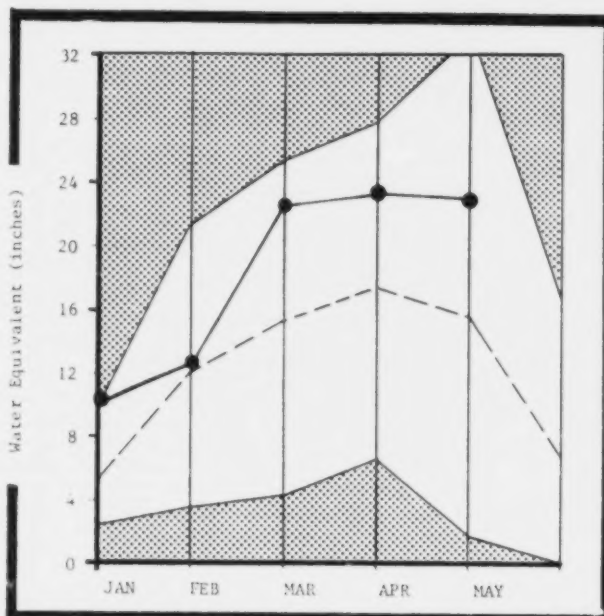
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	839.0	118	134	108				
SWEETWATER RIVER near Alcova	APR-SEP	73.7	129.0	175	212	145				
DEER CREEK at Glenrock	APR-SEP	51.8	31.8	41	104	19				
LaPRELE CREEK above Reservoir	APR-SEP	33.7	20.5	60	104	21				
NORTH PLATTE RIVER blw Glendo	APR-SEP	973.0	1075.0	110	136	95				
NORTH PLATTE R. blw Guernsey	APR-SEP	1001.0	1120.0	111	137	96				
LARAMIE RIVER near Woods	APR-SEP	132.0	180.0	136	161	112				
LITTLE LARAMIE RIVER near Filmore	APR-SEP	65.1	80.0	122	147	98				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE LAST YEAR	USEABLE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
ALCOVA	184.3	180.7	181.6	180.5	SWEETWATER	4	401 179
GLENDO	789.4	513.0	475.0	465.9	DEER & LaPRELE CREEKS	2	204 83
GUERNSEY	45.6	44.9	31.0	34.5	N. PLATTE above LARAMIE	14	137 111
PATHFINDER	1016.5	973.7	875.0	587.7	LITTLE LARAMIE RIVER	4	166 108
SEMINOE	1017.3	488.5	842.0	358.2	UPPER LARAMIE RIVER	8	150 132
WHEATLAND #2	98.9	81.7	86.0	54.6	LARAMIE RIVER above MOUTH	15	157 118
NORTH PLATTE PROJ	1062.1	975.7	1092.0	910.3	NORTH PLATTE in WYOMING	51	152 124
KENDRICK PROJECT	1201.7	1096.4	1053.0	779.5			
GLENDO PROJECT USERS	183.2	129.1	155.0	157.6			

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER GREEN RIVER BASIN

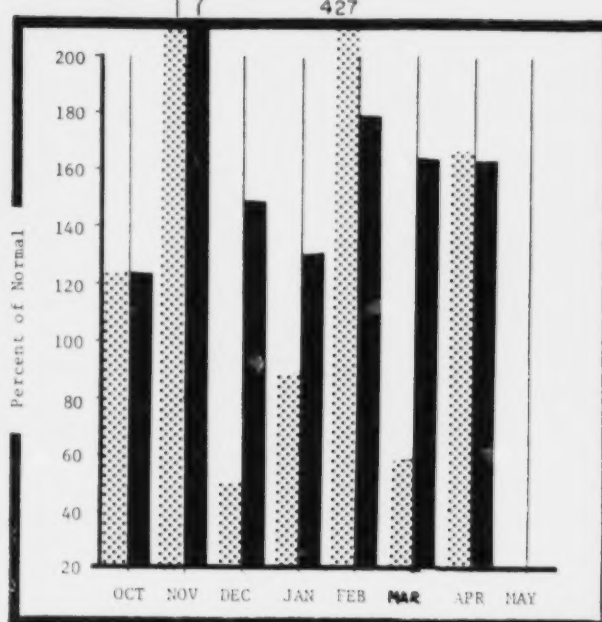
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

This basin's water users can expect streamflows as much as 46% above average. Snowpack accumulation is nearly 51% above normal and is 157% greater than last year. Most of the low elevation snow in the basin is gone, with snowmelt beginning at some of the higher elevations. April precipitation was much above average at 168%. Water users should have abundant water to meet their needs.

For more information contact your local Soil Conservation Service office.

UPPER GREEN RIVER BASIN

STREAMFLOW FORECASTS

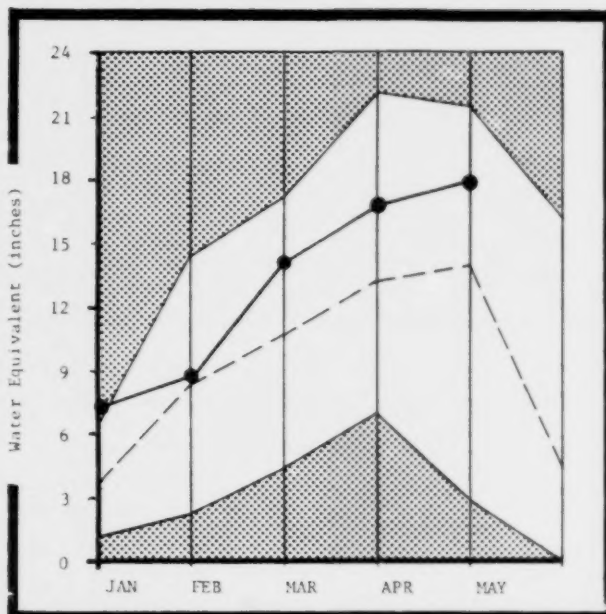
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GREEN RIVER near Warren Bridge	APR-SEP	326.0	475.0	145	160	132				
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1350.0	155	169	141				
LaBARGE CREEK at LaBarge Meadows	APR-SEP	8.9	13.0	146	169	124				
BIG SANDY RIVER near Big Sandy	APR-SEP	61.0	93.0	152	172	133	1250			

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
BIG SANDY		NO REPORT			GREEN above WARREN BRIDGE	4	266 145
EDEN		NO REPORT			UPPER GREEN (West Side)	6	199 143
FLAMING GORGE	3749.0	2939.0	3108.7	---	NEWFORK LAKE	3	278 144
FONTENELLE		NO REPORT			BIG SANDY/EDEN VALLEY	2	267 174
					GREEN above FONTENELLE	11	234 147

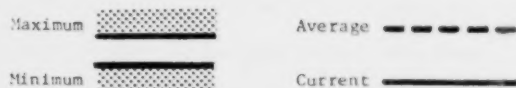
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER GREEN RIVER BASIN

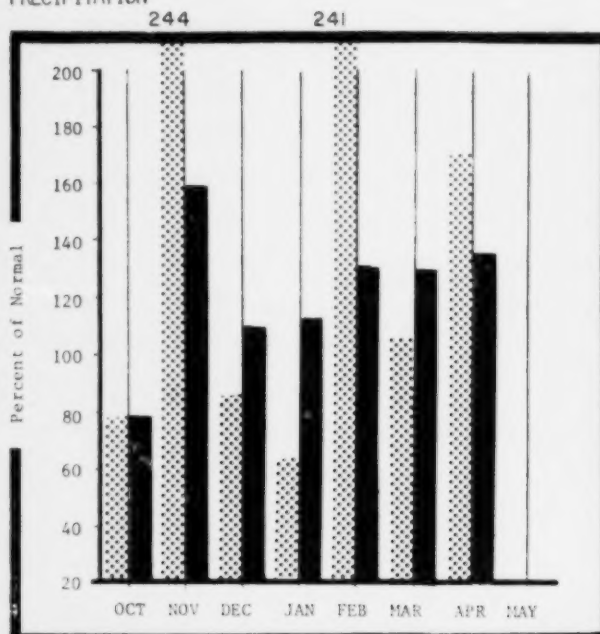
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow forecasts for this part of the Green River drainage shows that water users can expect flow amounting to much above average. Flows will vary from about 30% to nearly 60% above average. Snowpack accumulation continues to be above normal. It is nearly 84% greater than last year and 32% above normal. Reservoir storage is less than last year and about 30% below average. This is due to storage restrictions imposed upon Fontenelle. April precipitation was about 72% above average.

For more information contact your local Soil Conservation Service office.

LOWER GREEN RIVER BASIN

STREAMFLOW FORECASTS

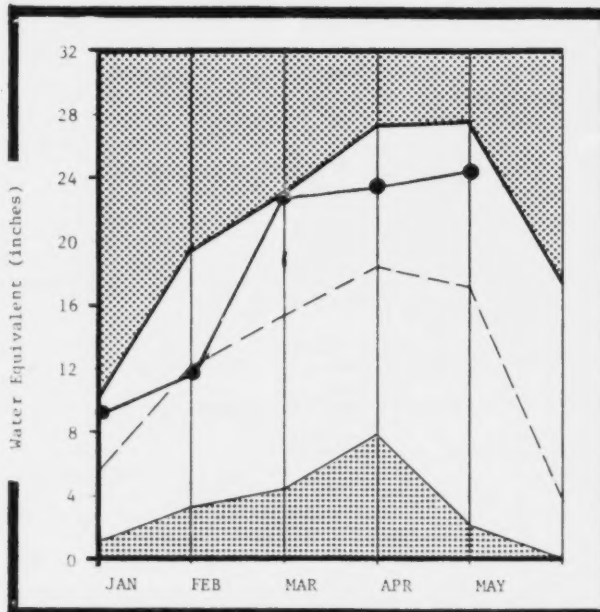
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1350.0	155	169	141				
HAMS FORK near Frontier	APR-SEP	71.3	101.0	141	161	122				
GREEN RIVER near Green River, WY *	APR-SEP	1079.0	1675.0	155	175	135				
BLACKS FORK near Milburne, UT	APR-JUL	89.9	125.0	139	164	117				
HENRYS FORK near Manila, UT	APR-SEP	48.0	72.0	150	179	127				
FLAMING GORGE Inflow *	APR-JUL	1248.0	2050.0	164	182	148				

RESERVOIR STORAGE		(1000AF)		WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE
FONTENELLE		NO REPORT			HAMS FORK RIVER	3	206 147
FLAMING GORGE	3749.0	2939.0	3108.7	---	BLACKS FORK	4	160 116
VIVA NAUGHTON RES	42.4	18.0	21.4	26.2	HENRYS FORK	1	179 111
					GREEN above FLAMING GORGE	13	230 147

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER BEAR RIVER BASIN

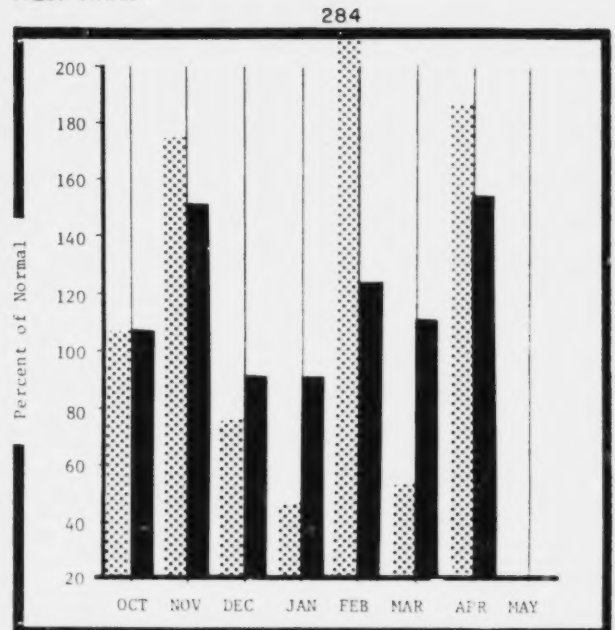
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Water users in this basin can expect abundant water supplies this spring and summer. Flows are forecast to be much above average, in some drainages by as much as 104%. Snowpack accumulation is about 37% above normal, and is 105% above last year. Precipitation during the month was 83% above average, with the year to date accumulation being 19% above average.

For more information contact your local Soil Conservation Service office.

UPPER BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SMITHS FORK near Border	APR-SEP	119.0	165.0	138	159	118				
THOMAS FORK near State line	APR-SEP	35.1	55.0	156	177	137				
BEAR RIVER at Utah-Wyoming line	MAY-JUL	105.0	150.0	142	157	131				
BEAR RIVER near Woodruff, UT	MAY-JUL	116.0	162.0	139	169	121				
BEAR RIVER near Randolph, UT	MAY-JUL	82.0	168.0	204	256	154				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE I CAPACITY I	** USEABLE STORAGE ** THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
WOODRUFF NARROWS	55.8	57.7	55.8	---	UPPER BEAR RIVER	3	236	120
					SMITHS & THOMAS FORK'S	3	244	152
					BEAR RIVER abv IDAHO line	10	219	136

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

WYOMING

WATER SUPPLY OUTLOOK

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THE FOLLOWING ORGANIZATIONS COOPERATE
WITH THE SOIL CONSERVATION SERVICE
IN SNOW SURVEY WORK

State

Conservation Districts of Wyoming
State Engineer of Wyoming
Department of Water Resources of Nebraska
Irrigation Districts of Wyoming
University of Wyoming
 Department of Atmospheric Resources
 Department of Agricultural Engineering

Federal

U.S. Department of Agriculture
 Soil Conservation Service
 Forest Service

U.S. Department of Commerce
 NOAA, National Weather Service

U.S. Department of Interior
 Bureau of Reclamation
 Geological Survey
 National Park Service
 Bureau of Indian Affairs
 Bureau of Land Management

Private

Utah Power and Light Company
Eden Valley Irrigation District

Other organizations and individuals furnish information for the snow survey reports. Their cooperation is gratefully acknowledged.

986/6



United States
Department of
Agriculture

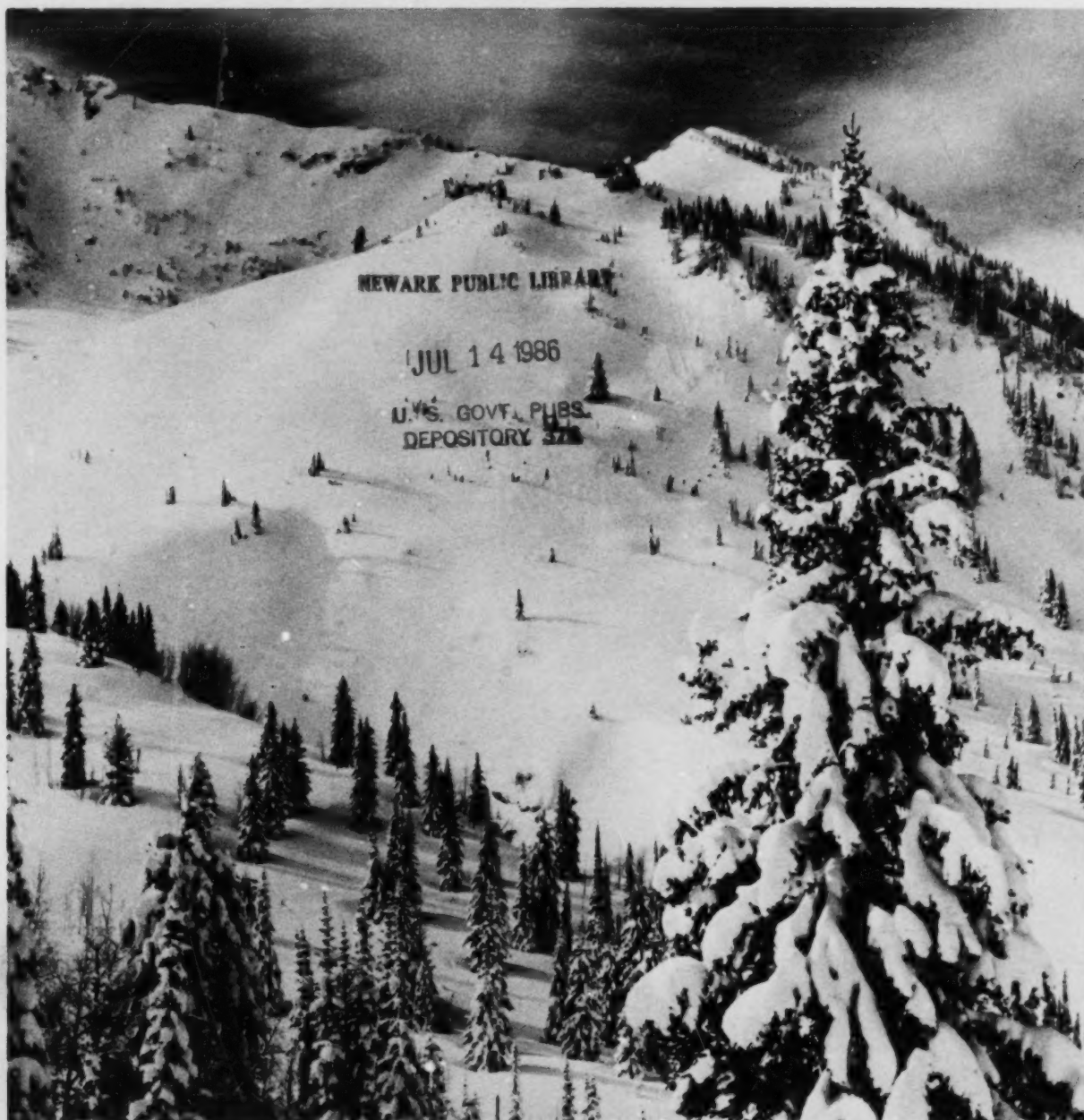
Soil
Conservation
Service

Casper,
Wyoming



Wyoming Water Supply Outlook

June 1, 1986



A 57.46/10:

Foreword

How Forecasts Are Made

Most of the annual streamflow in the Western United States originates as snowfall. This snowfall accumulates high in the mountains during winter and early spring. As the snowpack accumulates, hydrologists estimate the runoff that will occur when it melts. Predictions are based on careful measurements of snow water equivalent at selected index points. Precipitation, temperature, soil moisture and antecedent streamflow data are viewed in conjunction with snowpack data to prepare runoff forecasts. This report presents a comprehensive picture of water supply outlook conditions for areas dependent upon surface runoff. It includes selected streamflow forecasts, summarized snowpack and precipitation data, reservoir storage data and narratives describing current conditions.

Streamflow forecasts are cooperatively generated by Soil Conservation Service and National Weather Service hydrologists. Forecasts become more accurate as more data affecting runoff becomes known. For this reason, forecasts are issued that reflect three future precipitation conditions — Below Normal, Average, and Above Normal. These forecasts are termed reasonable minimum, most probable, and reasonable maximum. Actual streamflow can be expected to fall between the lower and upper forecast values eight out of ten years.

Snowpack data are obtained by using a combination of manual and automated measurement methods. Manual readings of snow depth and water equivalent are taken at locations called snow courses on a monthly or semi-monthly schedule during the winter. In addition, snow water equivalent, precipitation, temperature, and other parameters are monitored on a daily basis and transmitted via radio telemetry to central data collection facilities. Both monthly and daily data are used to project snowmelt runoff.

For More Information

Copies of Monthly Water Supply Outlook Reports and other reports may be obtained from the states listed below. Because of the limited space, snow survey measurements are not published in monthly reports. An annual snow survey data summary is published by the Soil Conservation Service for each of the western states. Historical snow survey data may be obtained at those same offices.

STATE	ADDRESS
Alaska	201 East 9th Ave., Suite 300, Anchorage, AK 99501-3687
Arizona	201 East Indianola, Suite 200, Phoenix, AZ 85012
Colorado (New Mexico)	2490 West 26th Ave., Denver, CO 80211
Idaho	304 North 8th Street, Room 345, Boise, ID 83702
Montana	10 East Babcock, Room 443, Federal Building, Bozeman, MT 59715
Nevada	50 South Virginia Street, Third Floor, Reno, NV 89505
Oregon	1220 Southwest 3rd Ave., 16th Floor, Portland, OR 97204
Utah	4402 Federal Building, 125 South State Street, Salt Lake City, UT 84147
Washington	360 U.S. Court House, Spokane, WA 99201
Wyoming	Federal Building, 100 East "B" Street, Casper, WY 82602

In addition to state reports, a Water Supply Outlook for the Western United States is published by the Soil Conservation Service and National Weather Service monthly, January through May. Reports may be obtained from the Soil Conservation Service, West National Technical Center, 511 Northwest Broadway, Room 547, Portland, OR 97209.

Published by other agencies:

Water Supply Outlook Reports prepared by other agencies include: California — Snow Survey Branch, California Department of Water Resources, P.O. Box 388, Sacramento, CA 95802; British Columbia — The Ministry of Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia, V8V 1X5; Yukon Territory — Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory, Y1A 3V1; Alberta, Saskatchewan, and N.W.T. — The Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta, T3C 1A6.



Wyoming

Water Supply Outlook and

Federal-State-Private Cooperative Snow Surveys

Issued by

Wilson Scaling
Chief
Soil Conservation Service
Washington, D.C.

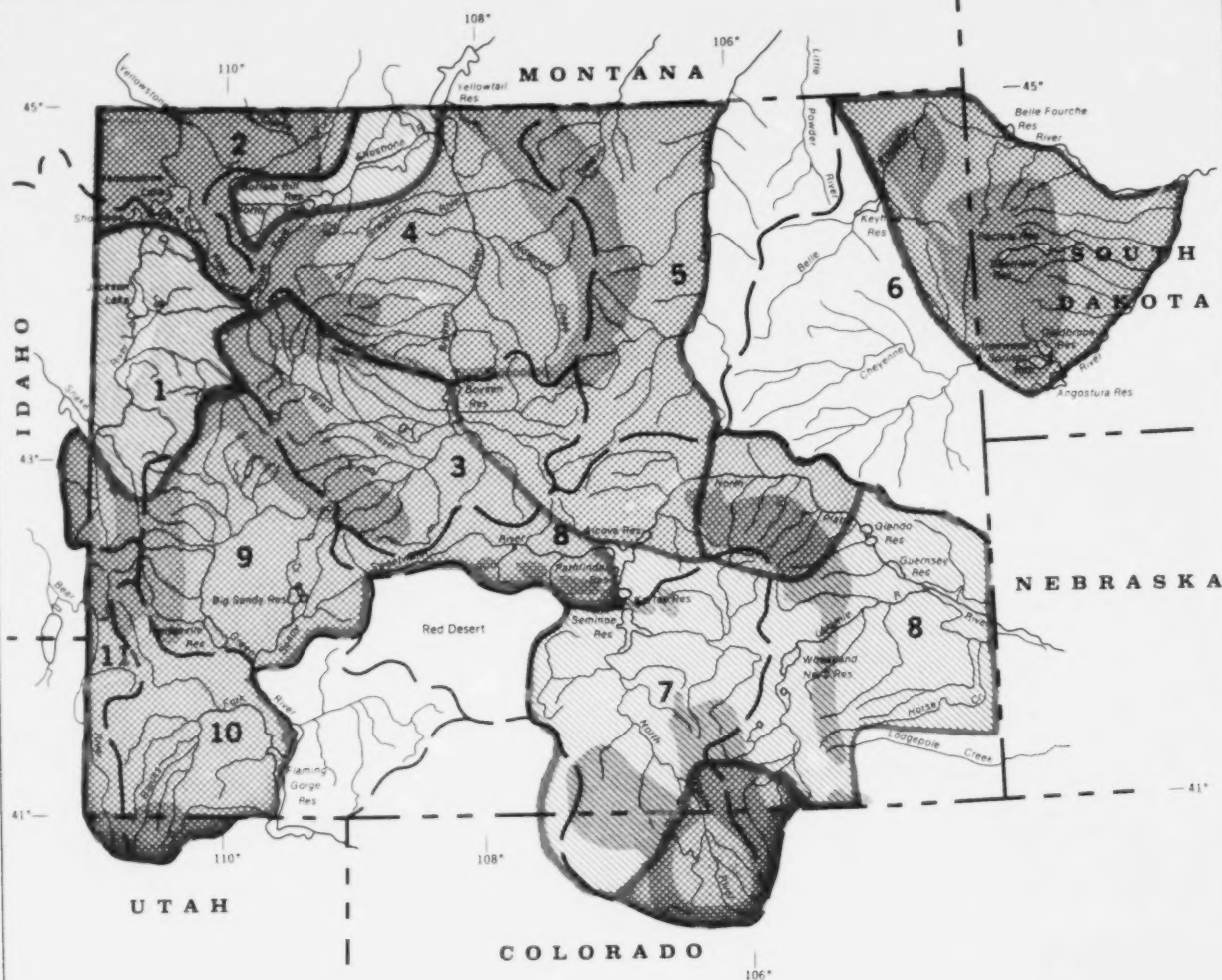
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Frank S. Dickson
State Conservationist
Soil Conservation Service
Casper, Wyoming

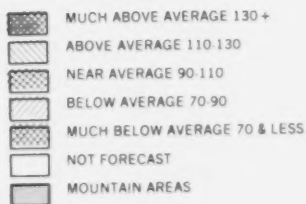
Prepared by

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Casper, Wyoming 82601

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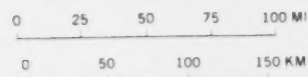
LEGEND
SPRING AND SUMMER PERIOD
(PERCENT OF AVERAGE)



RIVER BASINS

- | | |
|----|---|
| 1 | SNAKE |
| 2 | UPPER YELLOWSTONE AND MADISON |
| 3 | WIND |
| 4 | BIG HORN |
| 5 | POWDER AND TONGUE |
| 6 | BELLE FOURCHE AND CHEYENNE |
| 7 | UPPER NORTH PLATTE AND LITTLE SNAKE |
| 8 | LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE |
| 9 | UPPER GREEN |
| 10 | LOWER GREEN |
| 11 | UPPER BEAR |

STREAMFLOW PROSPECTS
WYOMING



SOURCE: Data compiled by SCS
 Field Personnel.

USDA SCS FORT WORTH, TEXAS 1985

JULY 1985 4-R-39346

FORMERLY 7-L-22029G

GENERAL OUTLOOK

SUMMARY:

WATER USERS SHOULD HAVE ENOUGH WATER TO MEET THEIR NEEDS THIS SPRING AND SUMMER. WHILE THE SNOWPACK THROUGHOUT THE STATE IS MELTING, IT REMAINS ABOVE AVERAGE. MAY PRECIPITATION FOR THE EAST HALF OF THE STATE WAS BELOW AVERAGE AND ABOVE AVERAGE FOR THE WEST HALF. SOME AREAS ARE EXPERIENCING LOCAL FLOODING AS THE SNOWPACK ERODES.

SNOWPACK:

Even though late May saw the beginning of the erosion of the snowpack, much of the snowpack throughout the state remains near to much above average. An extended period of warm temperatures near the end of May has caused the snowpack to start melting. Some locations throughout the state experienced local flooding as a result. The Upper Green River, Wind River, Bear River, and Upper Laramie River drainages are showing snowpacks that are much above average. Some of these areas are as much as 120% above normal for this time of year. The snowline for most of the state has retreated to above the 8500 feet level.

PRECIPITATION:

May precipitation for the eastern one-half of the state was mostly below average to near normal. Central areas were slightly above normal. However, the eastern edge of the Wind River drainage in central Wyoming received only one-half of normal. Western areas were 25% to 75% above normal. Most precipitation in the western areas occurred during the first half of the month. Seasonal comparisons remained mostly above normal. The Green, Bear, and Wind River drainages in western and central Wyoming remained very high...50% to 75% above normal. Northwest, central and eastern areas were slightly below normal to near normal.

RESERVOIRS:

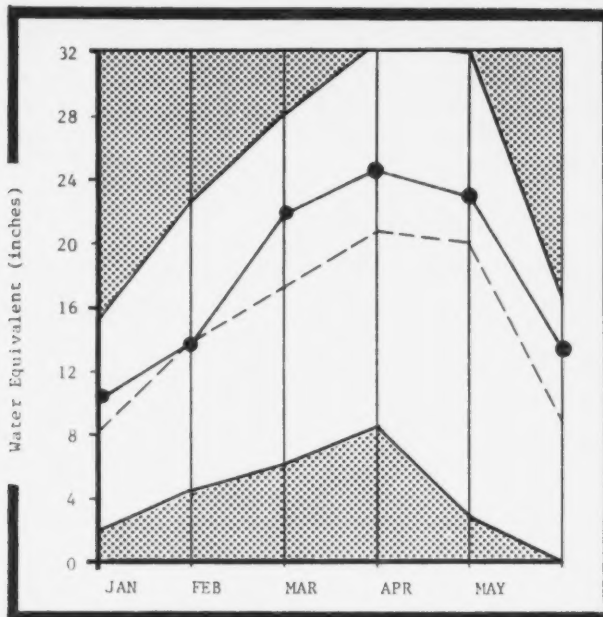
Water storage in the major reservoirs in the state is in most cases less than at this time last year. This is mainly due to the anticipated heavy runoff in many of the drainages. Exceptions to this are Glendo, Guernsey, and Pathfinder reservoirs on the North Platte River and all the larger storage reservoirs in the Belle Fourche and Cheyenne River drainage. These reservoirs are storing more water than at this time last year.

STREAMFLOW:

Spring and summer streamflow forecasts for most of the state continue to be above average. The exceptions are still the Deer Creek and La Poudre Creek drainages in east-central Wyoming. These drainages are expected to yield only about 60% of normal. Flows in the Bear River, Green River, Wind River, Upper North Platte River, and Laramie drainages are expected to be much above average. Flows in these drainages are forecast to be between 30% and 100% above normal. Streamflows in the rest of the state are predicted to be from near average to about 20% above average. Water users can expect to have adequate supplies this spring and summer. These forecasts are dependent upon average precipitation during the spring season. The forecasts in this bulletin are the result of coordinated activity between the Soil Conservation Service and the National Weather Service, in an effort to provide the best possible service to the water users.

SNAKE RIVER BASIN

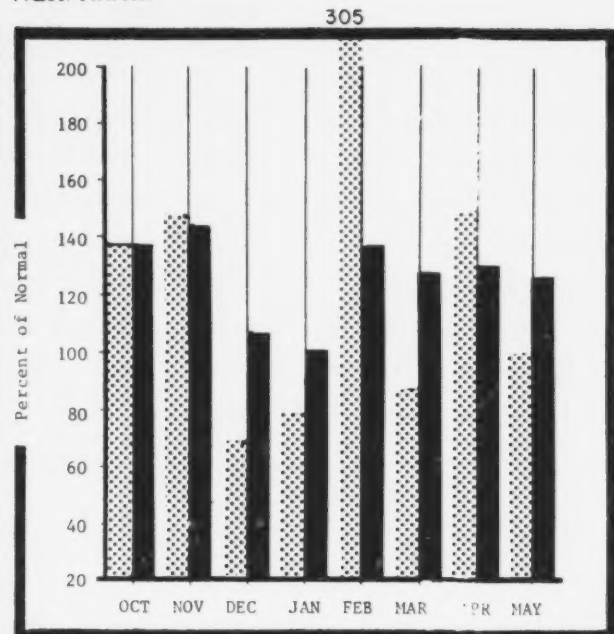
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Streamflow forecasts for this basin is above average with the Snake River predicted to be 20% above normal. Snowpack remains above average. Storage in Palisades is only about half of last year in anticipation of heavy inflow from melting snowpack.

For more information contact your local Soil Conservation Service office.

SNAKE RIVER BASIN

STREAMFLOW FORECASTS

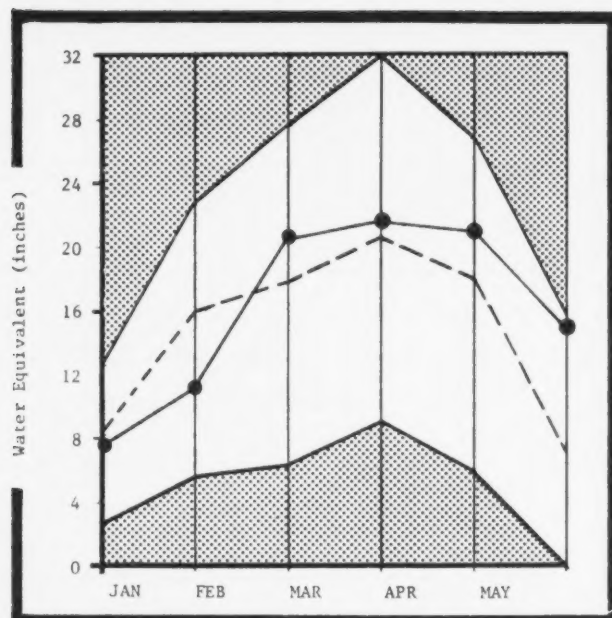
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SNAKE RIVER near Moran *	APR-SEP	880.0	1000.0	114	123	105				
SNAKE RIVER above Palisades *	APR-SEP	2730.0	3170.0	116	125	107				
SNAKE RIVER at Heise, ID *	APR-SEP	4066.0	0.0	0						
PACIFIC CREEK at Moran	APR-SEP	174.0	225.0	129	147	111				
GREYS RIVER above Palisades	APR-SEP	393.0	525.0	134	152	116				
SALT RIVER near Etna	APR-SEP	394.0	515.0	131	158	97				
PALISADES RESERVOIR Inflow *	APR-SEP	3793.0	4550.0	120	129	111				
SWIFT CREEK near Afton	MAY-SEP	46.0	46.0	100	117	83				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVER.D	THIS YEAR AS % OF LAST YR. AVERAGE	
GRASSY LAKE	15.1	14.9	15.4	---	SNAKE above JACKSON LAKE	2	519	150
JACKSON LAKE	624.4	116.6	285.9	---	PACIFIC CREEK	0	0	0
PALISADES	1200.0	579.6	1191.5	---	GROS VENTRE RIVER	1	281	117
					HOBACK RIVER	0	0	0
					GREYS RIVER	0	0	0
					SALT RIVER	0	0	0
					SNAKE above PALISADES	3	402	137

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER YELLOWSTONE AND MADISON RIVER BASINS

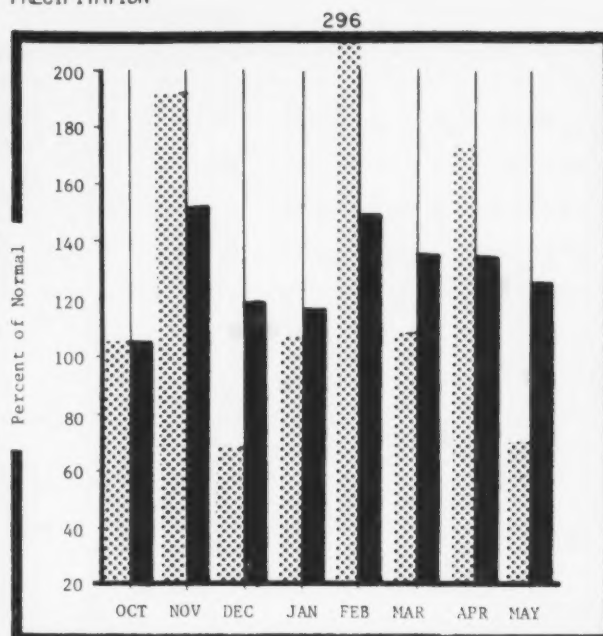
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Snowpack is near normal for this time of year. Water users can expect near normal streamflows through the spring and summer. Reservoir storage is nearly the same as last year and slightly greater than the long term average.

For more information contact your local Soil Conservation Service office.

UPPER YELLOWSTONE and MADISON RIVER BASINS

STREAMFLOW FORECASTS

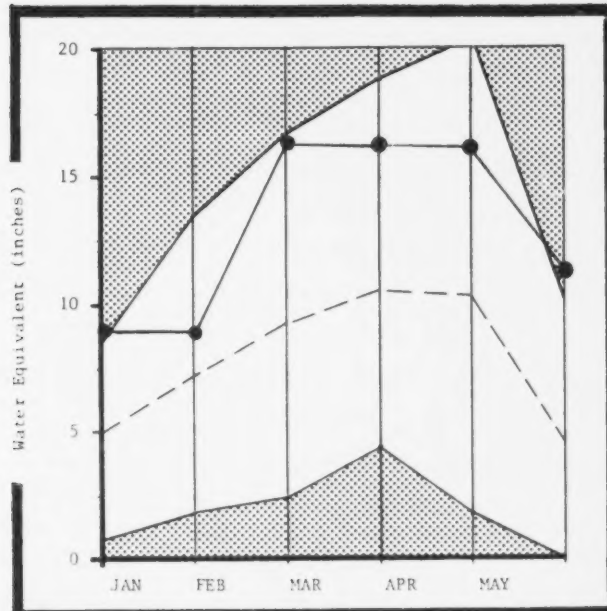
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
YELLOWSTONE RIVER at Lake Outlet	APR-SEP	826.0	925.0	112	124	100				
YELLOWSTONE RIVER at Corwin Spgs.	MAY-SEP	1944.0	1750.0	90	102	78				
YELLOWSTONE RIVER near Livingston	MAY-SEP	2269.0	2000.0	88	100	76				
MADISON RIVER near Grayling, MT *	MAY-SEP	440.0	465.0	106	118	94				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
ENNIS LAKE	41.0	35.7	33.5	35.8	UPPER MADISON RIVER	4	283	131
HEBGEN LAKE	377.5	338.5	357.9	291.7	CLARKS FORK	10	293	104
					UPPER YELLOWSTONE RIVER	5	269	106

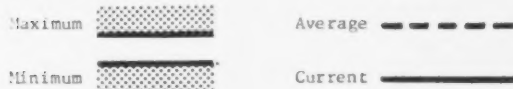
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

WIND RIVER BASIN

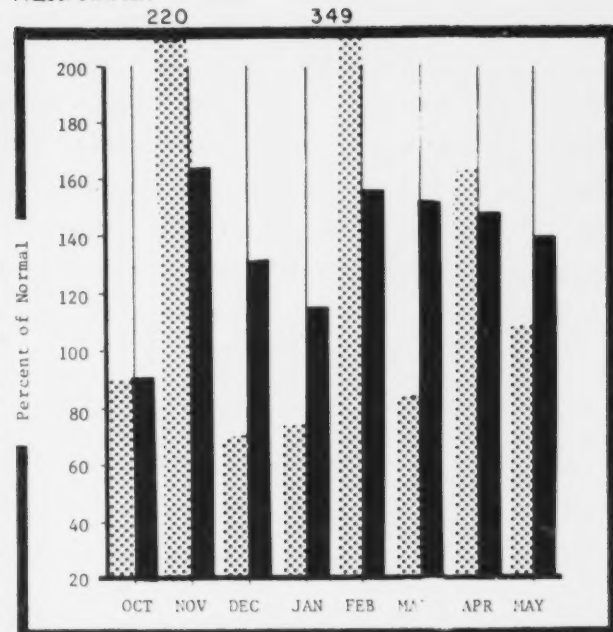
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflows are predicted to be much above average. Water users can expect enough water to meet their needs this season. Snowpack remains much above average as it has through the winter. Reservoir storage is less than at this time last year, but is nearly 50% of total usable capacity.

For more information contact your local Soil Conservation Service office.

WIND RIVER BASIN

STREAMFLOW FORECASTS

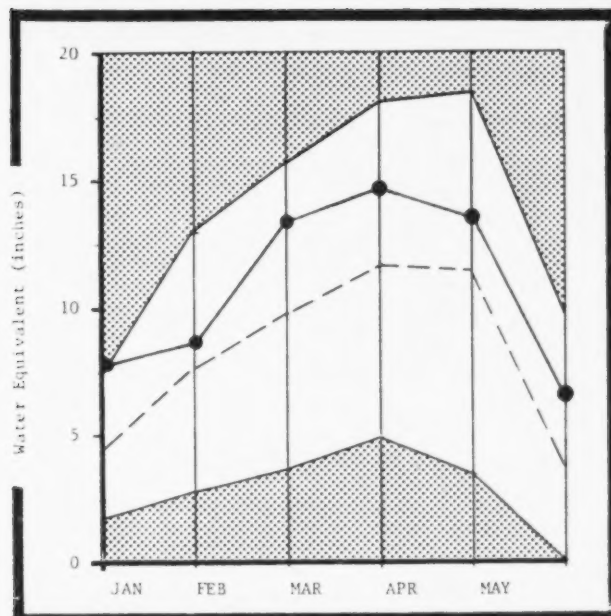
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER near Dubois	APR-SEP	106.0	140.0	132	150	114				
WIND RIVER at Riverton *	APR-SEP	678.0	950.0	140	162	118				
WIND RIVER below Boysen *	APR-SEP	1163.0	1625.0	140	160	120				
BULL LAKE CREEK near Lenore *	APR-SEP	188.0	255.0	136	156	115				
LITTLE POPO AGIE RIVER near Lander	APR-SEP	53.0	75.2	142	166	117				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	** USEABLE STORAGE LAST YEAR	** AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
BULL LAKE	151.1	75.2	94.6	---	UPPER WIND RIVER	1	281	117
BOYSEN	549.9	261.4	312.8	---	WIND above RIVERTON	5	446	114
PILOT BUTTE	31.6	16.4	29.7	---	POPO AGIE	0	0	0
					WIND above BOYSEN	5	446	114

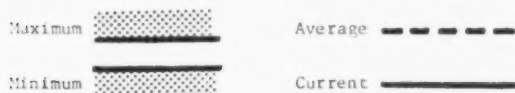
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BIGHORN RIVER BASIN

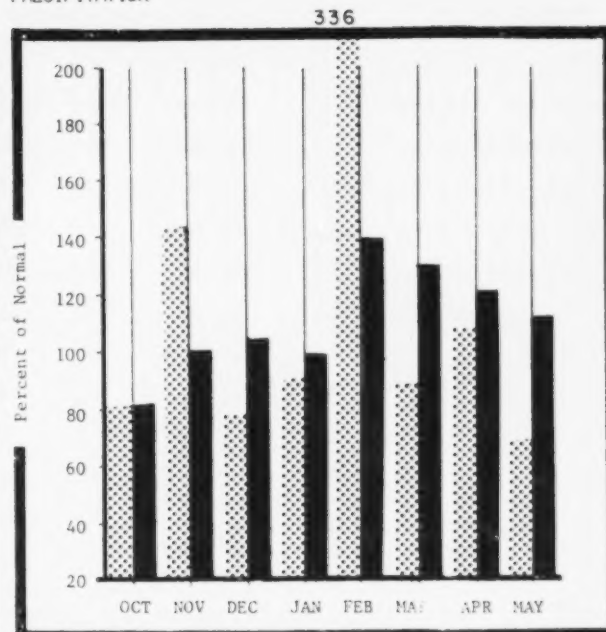
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Near normal streamflows are predicted for this basin. Snowpack at the high elevation is normal to slightly above normal. Storage in Buffalo Bill reservoir is more than last year, while water in Bighorn Lake is about 100,000 acre feet less than last year. Water users should have adequate supplies for the season.

For more information contact your local Soil Conservation Service office.

BIGHORN RIVER BASIN

STREAMFLOW FORECASTS

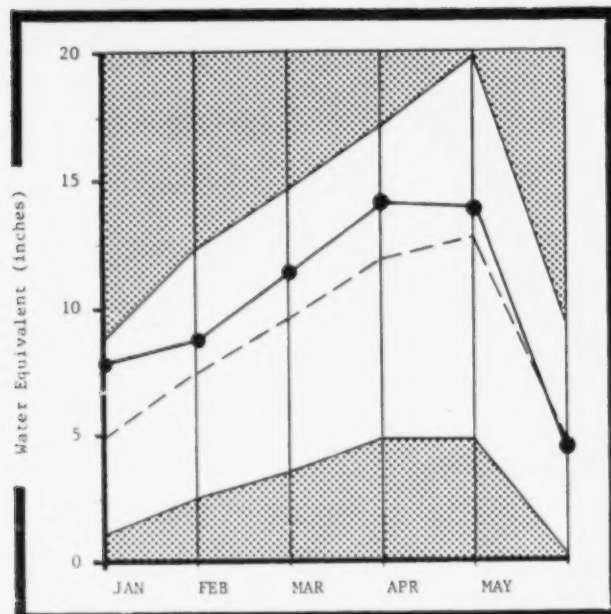
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
WIND RIVER below Boysen *	APR-SEP	1163.0	1625.0	140	160	120				
SHELL CREEK near Shell	APR-SEP	78.0	78.0	100	135	76				
GREYBULL RIVER at Meeteetse	APR-SEP	215.0	230.0	107	127	87				
SHOSHONE RIVER blw Buffalo Bill *	APR-SEP	845.0	1000.0	118	136	100				
CLARKS FORK near Belfry	MAY-SEP	606.0	615.0	101	120	83				
SOUTH FORK SHOSHONE near Valley	APR-SEP	278.0	300.0	108	128	88				
NOWOOD RIVER near Tensleep	MAR-SEP	71.0	70.0	99	118	79				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
BOYSEN	549.9	261.4	312.8	---	SHOSHONE RIVER	4	381	128
BUFFALO BILL	373.1	244.9	237.5	---	NOWOOD RIVER	0	0	0
BIGHORN LAKE	1356.0	785.3	891.6	702.7	GREYBULL RIVER	2	0	183
					SHELL CREEK	3	365	113
					BIGHORN (Boysen-Bighorn)	12	458	122

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

POWDER AND TONGUE RIVER BASINS

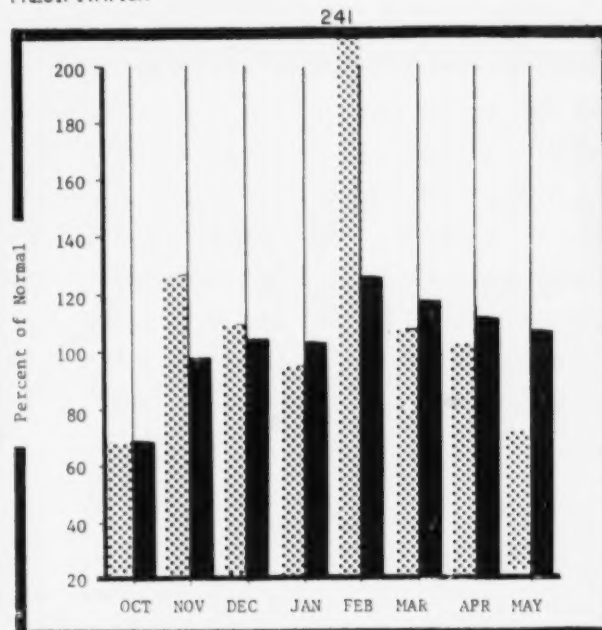
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Water users can expect near normal streamflows during the spring and summer. Snowpack at many locations eroded rapidly during the latter part of the month. Precipitation during May was below normal.

For more information contact your local Soil Conservation Service office.

POWDER and TONGUE RIVER BASINS

STREAMFLOW FORECASTS

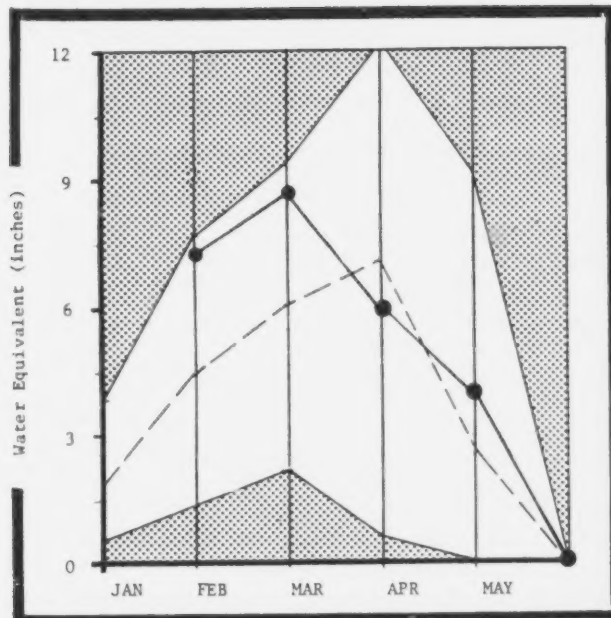
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
TONGUE RIVER near Dayton *	APR-SEP	123.0	115.0	93	119	68				
MIDDLE FORK POWDER near Barnum	APR-SEP	21.6	21.5	100	130	69				
NORTH FORK POWDER near Hazelton	APR-SEP	10.6	11.1	105	132	75				
CLEAR CREEK near Buffalo	APR-SEP	40.0	42.5	106	138	78				
ROCK CREEK near Buffalo	APR-SEP	25.4	26.5	104	134	75				
PINEY CREEK at Kearny	APR-SEP	54.8	57.5	105	135	75				
LITTLE BIGHORN at Hardin, MT	MAY-SEP	157.0	0.0	0						

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	THIS YEAR	LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
TONGUE RIVER	68.0	42.0	45.2	48.8	UPPER TONGUE RIVER	3	0	5
					GOOSE CREEK	1	0	0
					CLEAR CREEK	1	0	0
					CRAZY WOMAN CREEK	0	0	0
					POWDER RIVER	7	2433	46

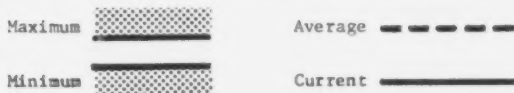
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

BELLE FOURCHE AND CHEYENNE RIVER BASINS

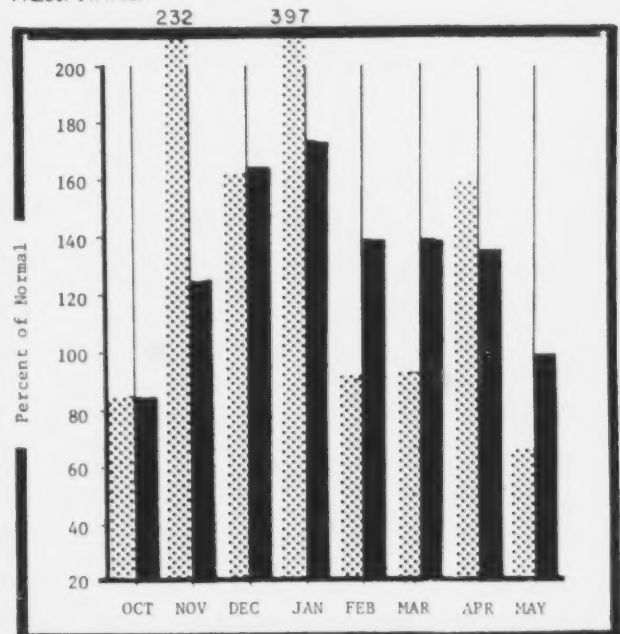
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflows in this basin are expected to be near normal. The snowpack has disappeared for the season. Reservoir storage is greater than at this time last year.

For more information contact your local Soil Conservation Service office.

BELLE FOURCHE and CHEYENNE RIVER BASINS

STREAMFLOW FORECASTS

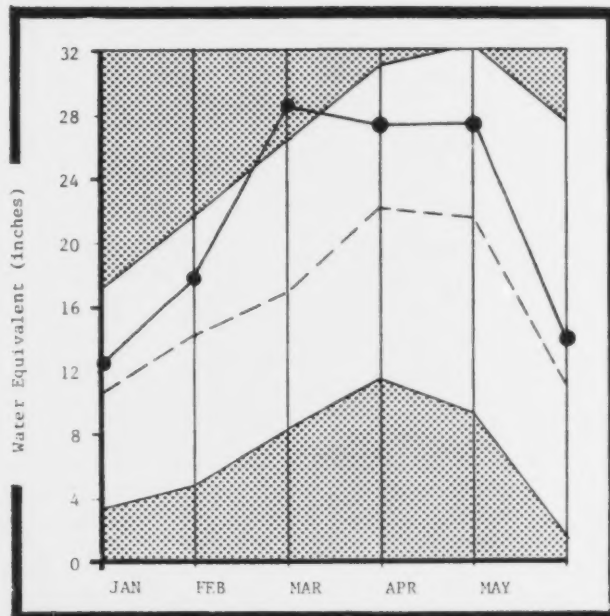
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
-No forecasts issued in this area-										

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE STORAGE LAST YEAR	AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
ANGOSTURA	86.2	80.0	55.3	---	BELLE FOURCHE	0	0	0
BELLE FOURCHE	185.2	164.5	143.3	---				
DEERFIELD	15.1	15.1	15.0	---				
KEYHOLE	190.4	67.0	69.6	---				
PACTOLA	55.0	53.4	50.7	---				
SHADEHILL	81.5	82.2	78.4	---				

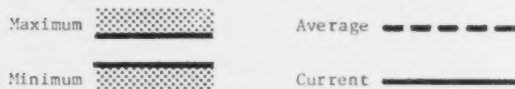
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER NORTH PLATTE AND LITTLE SNAKE RIVER BASINS

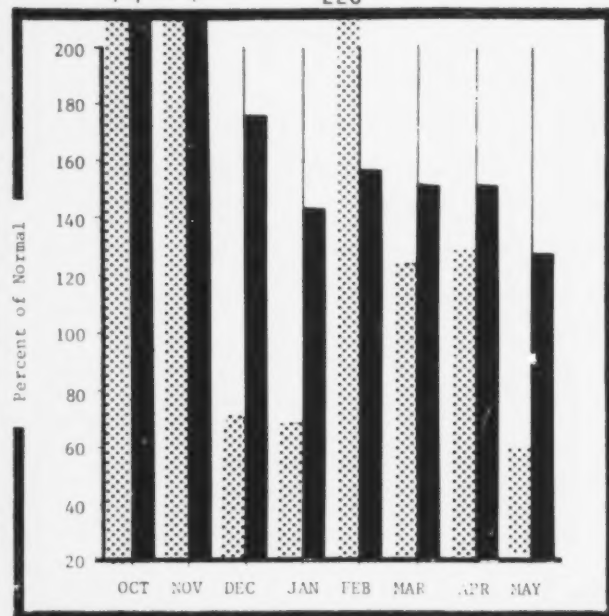
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Above normal streamflows are predicted for these basins. Water users should have adequate supplies to meet their needs. Snowpack remains above to much above average for this time of the year. Seminole reservoir is holding about 250,000 acre feet of water less than at this time last year.

For more information contact your local Soil Conservation Service office.

UPPER NORTH PLATTE and LITTLE SNAKE RIVER BASINS

STREAMFLOW FORECASTS

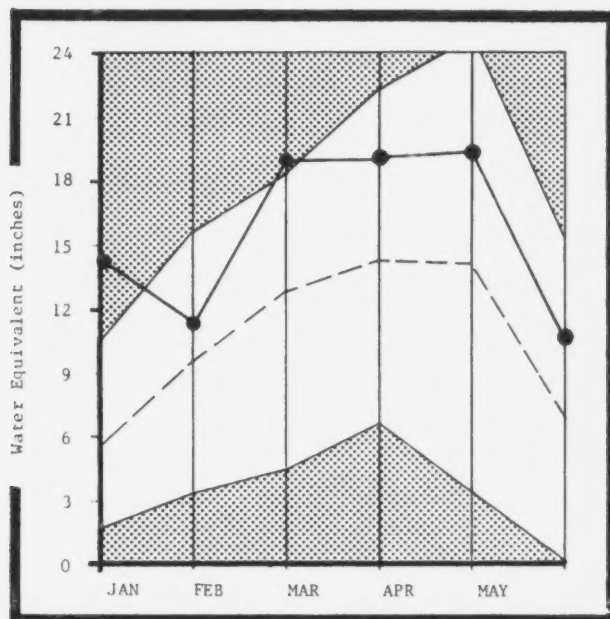
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Northgate	APR-SEP	262.0	350.0	134	153	114				
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	927.0	131						
ENCAMPMENT RIVER near Encampment	APR-SEP	156.0	200.0	128	148	108				
ROCK CREEK near Arlington	APR-SEP	57.6	73.0	127	148	106				
LITTLE SNAKE RIVER near Dixon *	APR-SEP	320.0	390.0	122	147	97				
LITTLE SNAKE near Slater, CO *	APR-SEP	158.0	200.0	127	152	102				

RESERVOIR STORAGE (1000AF)		WATERSHED SNOWPACK ANALYSIS		
RESERVOIR	USEABLE CAPACITY	** USEABLE STORAGE ** THIS YEAR LAST YEAR AVE.	WATERSHED	NO. COURSES AVE.D THIS YEAR AS % OF LAST YR. AVERAGE
SEMINOE	1017.3	653.1 901.8	UPPER NORTH PLATTE	7 165 122
			ENCAMPMENT RIVER	2 184 140
			BRUSH CREEK	1 197 141
			MEDICINE BOW & ROCK CREEK	0 0 0
			N. PLATTE above SEMINOE	7 145 122
			UPPER LITTLE SNAKE RIVER	0 0 0
			SAVERY CREEK	1 177 152

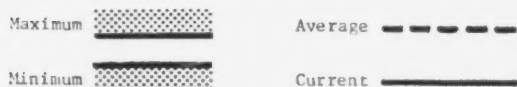
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER NORTH PLATTE, SWEETWATER, AND LARAMIE RIVER BASINS

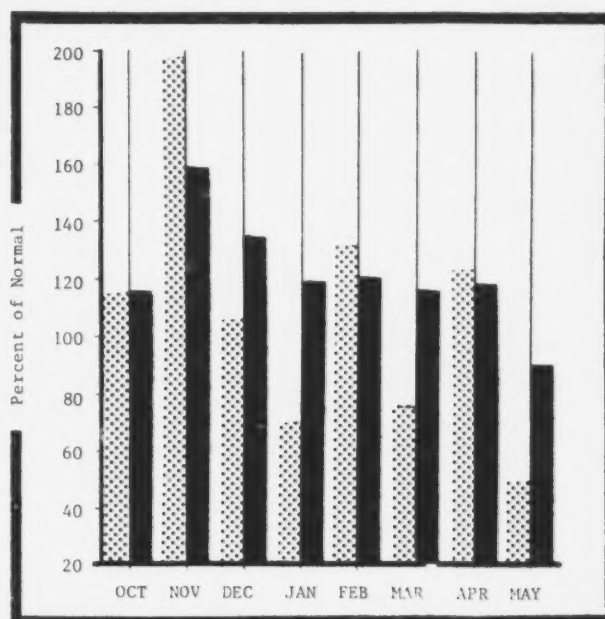
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Near normal flows, except for the Deer and LaPrele Creek drainages can be expected in this basin. Deer Creek and LaPrele Creek are expected to be about 40% below average. Snowpack below 8500 feet elevation has disappeared. Reservoir storage is more than at this time last year.

For more information contact your local Soil Conservation Service office.

LOWER NORTH PLATTE, SHEETWATER, and LARAMIE RIVER BASINS

STREAMFLOW FORECASTS

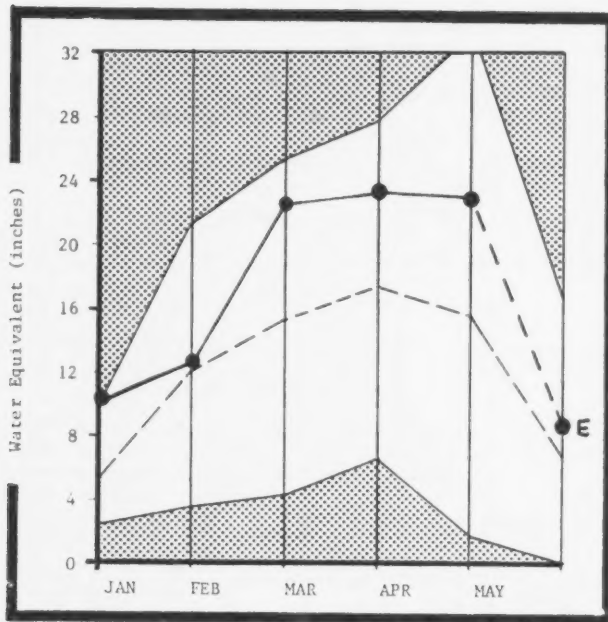
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
NORTH PLATTE RIVER near Sinclair	APR-SEP	710.0	927.0	131						
SHEETWATER RIVER near Alcova	APR-SEP	73.7	128.0	174						
DEER CREEK at Glenrock	APR-SEP	51.8	31.8	61						
LaPRELE CREEK above Reservoir	APR-SEP	33.7	20.5	61						
NORTH PLATTE RIVER blw Glendo *	APR-SEP	973.0	1212.0	125						
NORTH PLATTE R. blw Guernsey *	APR-SEP	1001.0	1262.0	126						
LARAMIE RIVER near Woods *	APR-SEP	132.0	180.0	136	158	114				
LITTLE LARAMIE RIVER near Filmore	APR-SEP	65.1	80.0	123	144	101				

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
ALCOVA	184.3	179.3	179.6	182.1	SHEETWATER	1	0	220
GLENDO	789.4	484.3	470.0	---	DEER & LaPRELE CREEKS	0	0	0
GUERNSEY	45.6	43.0	31.1	---	N. PLATTE above LARAMIE	3	179	135
PATHFINDER	1016.5	1004.0	930.8	---	LITTLE LARAMIE RIVER	0	0	0
SEMINOE	1017.3	653.1	901.8	---	UPPER LARAMIE RIVER	2	192	133
WHEATLAND #2	98.9	81.2	86.3	---	LARAMIE RIVER above MOUTH	1	203	127
NORTH PLATTE PROJ	1062.1	1062.1	1193.3	999.0	NORTH PLATTE in WYOMING	14	193	137
KENDRICK PROJECT	1201.7	1206.1	1059.2	848.1				
GLENDO PROJECT USERS	183.2	110.1	174.2	163.8				

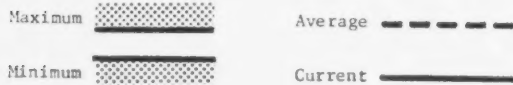
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER GREEN RIVER BASIN

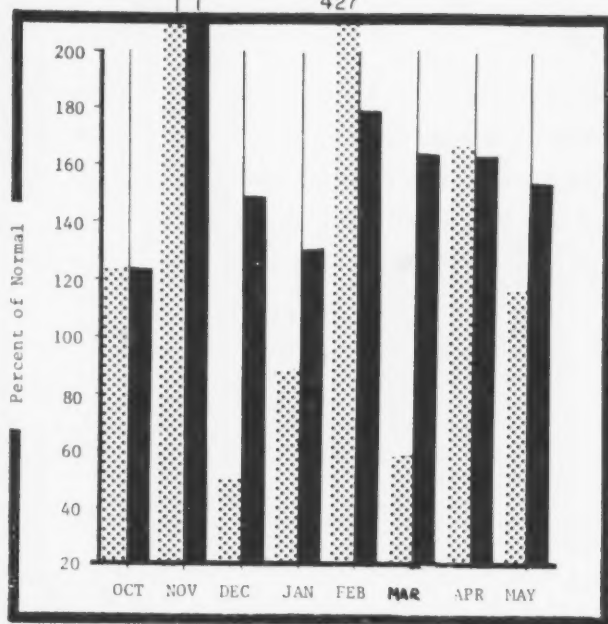
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION* ³⁰⁵/₂₁₄



*Based on selected stations



WATER SUPPLY OUTLOOK:

Heavy snowpack in this basin is causing streamflow forecasts to be much above normal. Local flooding can be expected. High flows can be expected to last well into the water use season. May precipitation for the basin was above average, with the year to date totals well above average.

For more information contact your local Soil Conservation Service office.

UPPER GREEN RIVER BASIN

STREAMFLOW FORECASTS

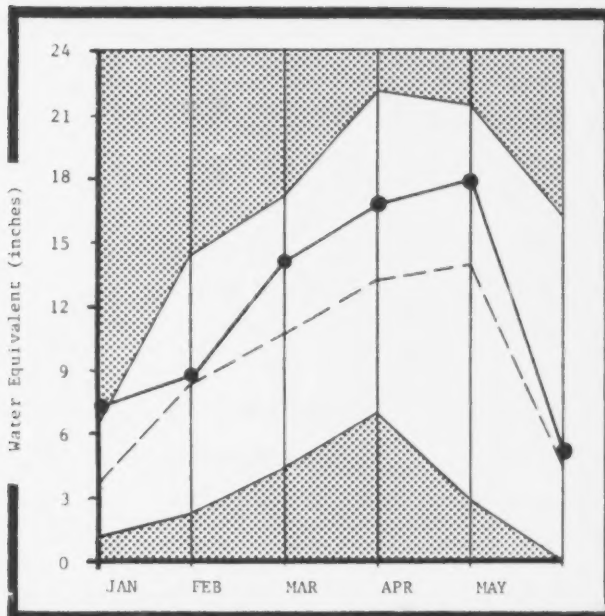
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
GREEN RIVER near Warren Bridge	APR-SEP	326.0	475.0	146	150	134				
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1350.0	155						
LaBARGE CREEK at LaBarge Meadows	APR-SEP	8.9	14.0	157	180	135				
BIG SANDY RIVER near Big Sandy	APR-SEP	61.0	93.0	152	172	133	1250			

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE LAST YEAR	STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
BIG SANDY	38.3	37.1	32.4	---	GREEN above WARREN BRIDGE	0	0	0
EDEN	11.8	8.1	13.8	---	UPPER GREEN (West Side)	0	0	0
FLAMING GORGE	3749.0	2924.0	3356.0	---	NEWFORK LAKE	0	0	0
FONTENELLE	344.8	33.8	31.9	---	BIG SANDY/EDEN VALLEY	0	0	0
					GREEN above FONTENELLE	0	0	0

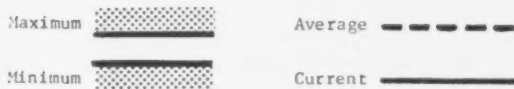
*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

LOWER GREEN RIVER BASIN

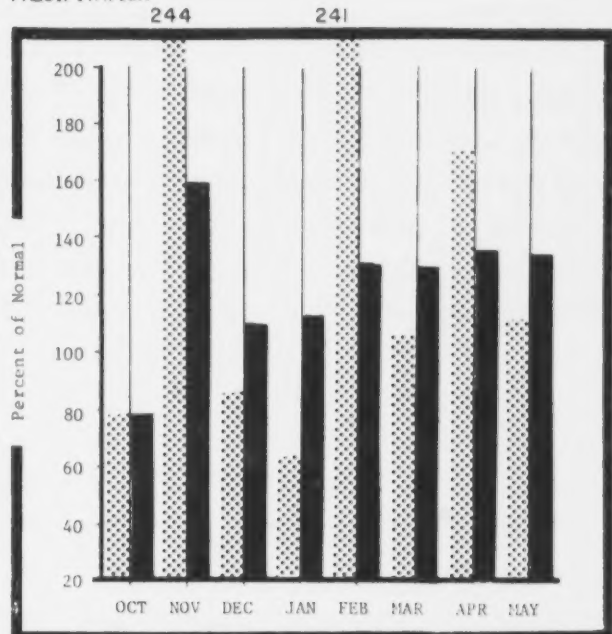
MOUNTAIN SNOWPACK*



*Based on selected stations



PRECIPITATION*



*Based on selected stations



WATER SUPPLY OUTLOOK:

Streamflow forecasts for this portion of the Green River Basin is for much above average flows. Flows as much as 50% above normal can be expected.

For more information contact your local Soil Conservation Service office.

LOWER GREEN RIVER BASIN

STREAMFLOW FORECASTS

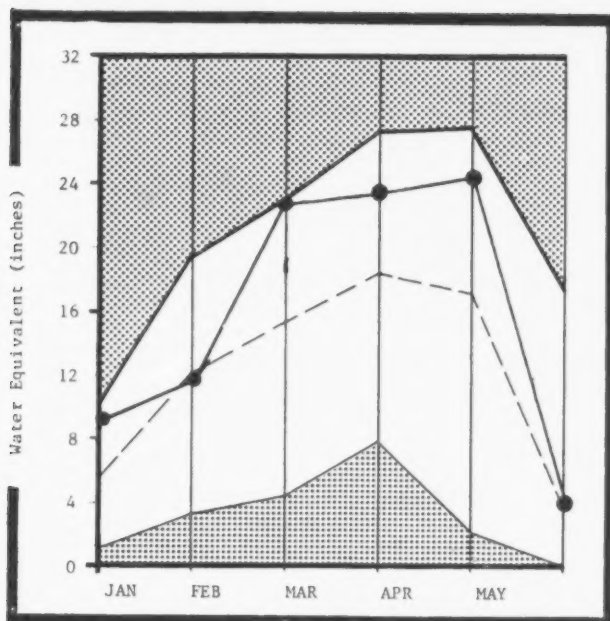
FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
FONTENELLE RESERVOIR Inflow	APR-JUL	869.0	1350.0	155						
HAMS FORK near Frontier	APR-SEP	71.3	125.0	175	195	156				
GREEN RIVER near Green River, WY *	APR-SEP	1079.0	1675.0	155	175	135				
BLACKS FORK near Milburne, UT	APR-JUL	89.9	125.0	139						
HENRYS FORK near Manila, UT	APR-SEP	48.0	72.0	150						
FLAMING GORGE Inflow *	APR-JUL	1248.0	2050.0	166						

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE THIS YEAR	USEABLE LAST YEAR	USEABLE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR. AVERAGE	
FONTENELLE	344.8	33.0	31.9	---	HAMS FORK RIVER	0	0	0
FLAMING GORGE	3749.0	2924.0	3356.0	---	BLACKS FORK	4	297	118
VIVA NAUGHTON RES	42.4	31.4	44.0	---	HENRYS FORK	1	0	0
					GREEN above FLAMING GORGE	0	0	0

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

UPPER BEAR RIVER BASIN

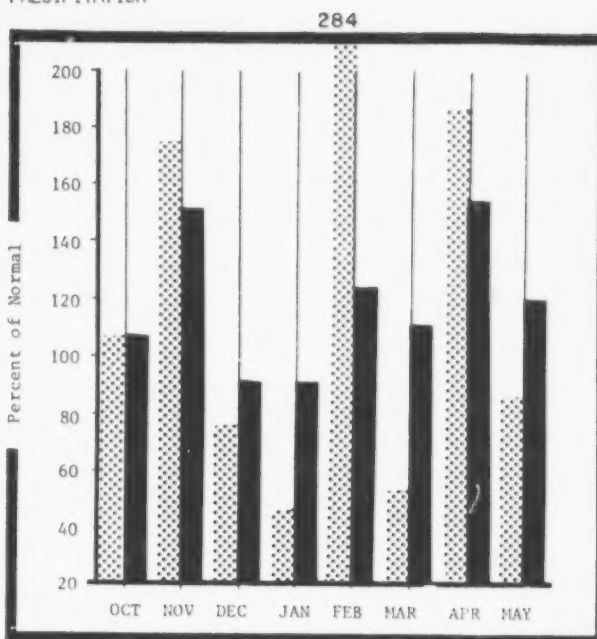
MOUNTAIN SNOWPACK*



*Based on selected stations

Maximum  Average 
 Minimum  Current 

PRECIPITATION*



*Based on selected stations

Monthly precipitation  Year to date precipitation 

WATER SUPPLY OUTLOOK:

Water users can expect much above average streamflows for this basin. Flows are predicted to be nearly 40% above average. Snowpack continues to be above average for this time of year.

For more information contact your local Soil Conservation Service office.

UPPER BEAR RIVER BASIN

STREAMFLOW FORECASTS

FORECAST POINT	FORECAST PERIOD	20 YR. AVE. (1000AF)	MOST PROBABLE (1000AF)	MOST PROBABLE (% AVE.)	REAS. MAX. (% AVE.)	REAS. MIN. (% AVE.)	PEAK FLOW (CFS)	PEAK DATE	LOW FLOW (CFS)	LOW DATE
SMITHS FORK near Border	APR-SEP	119.0	165.0	139	159	118				
THOMAS FORK near State line	APR-SEP	35.1	55.0	157	177	137				
BEAR RIVER at Utah-Wyoming line	MAY-JUL	105.0	150.0	143						
BEAR RIVER near Woodruff, UT	MAY-JUL	116.0	162.0	140						
BEAR RIVER near Randolph, UT	MAY-JUL	82.0	140.0	205						

RESERVOIR STORAGE (1000AF)					WATERSHED SNOWPACK ANALYSIS			
RESERVOIR	USEABLE CAPACITY	USEABLE STORAGE THIS YEAR	USEABLE STORAGE LAST YEAR	USEABLE STORAGE AVE.	WATERSHED	NO. COURSES AVE.D	THIS YEAR AS % OF LAST YR.	% OF AVERAGE
WOODRUFF HARROWS	55.8	59.4	59.1	---	UPPER BEAR RIVER	2	0	0
					SMITHS & THOMAS FORK'S	0	0	0
					BEAR RIVER abv IDAHO line	3	3200	113

*Corrected for upstream diversions or changes in reservoir storage.
Average is for 1961-80 period.

